

AUG 19 2013

L-PI-13-075 10 CFR 50.55a

U S Nuclear Regulatory Commission ATTN: Document Control Desk Washington, DC 20555-0001

Prairie Island Nuclear Generating Plant Unit 1 and Unit 2 Docket 50-282 and 50-305 Renewed License Nos. DPR-42 and DPR-60

Amended Inservice Inspection (ISI) Summary Report, for Unit 1 Cycle 27 and Unit 2 Cycle 26

Pursuant to 10 CFR 50.55a, Northern States Power Company, a Minnesota corporation, doing business as Xcel Energy (hereafter "NSPM") is submitting amended Inservice Inspection Summary Reports for Unit 1 and Unit 2.

A recent NOS assessment of the Prairie Island ISI program identified a number of inconsistencies in the compliance section of the two most recent Inservice Inspection Summary Reports. In addition, the site also identified a repair/replacement activity had taken place during the Unit 1 Cycle 27 without a Repair/Replacement plan.

Prairie Island is submitting amended Unit 1 Cycle 27 and Unit 2 Cycle 26 ISI Summary Reports with corrections as noted and inclusion of a NIS-2 for the omitted repair/replacement activity.

Summary of Commitments

This letter contains no new commitments and no revisions to existing commitments.

Site Vice President, Prairie Island Nuclear Generating Plant

Northern States Power Company - Minnesota

Enclosures (2)

Administrator, Region III, USNRC CC:

Project Manager, PINGP, USNRC

Resident Inspector, PINGP, USNRC

Chief Boiler Inspector, State of Minnesota

ENCLOSURE 2

Amended Inservice Inspection Summary Report, Unit 2 Cycle 26

The Unit 2 Cycle 26 Inservice Inspection Summary report is amended with the following revisions.

The Section 3 Code Compliance Summary is revised to make the following corrections:

Item #	Description	Resolution
B12.20	Inconsistency between total required (1) and total scheduled or completed (0).	Corrected
B12.50	Inconsistency between percent required (36%) and the number scheduled (1) or completed (3).	Corrected

In addition to the above corrections, several editorial changes were made to clarify the intent of the table. Affected pages of the Code Compliance Summary table are attached.

The original Inservice Inspection Summary Report submitted August 23, 2012 is attached for reference.

Prepared by:	Tom Downing	_ Date:	7-10-2013
Approved by:	Tom Devising Tom Devising Peter Bruns-gan	Date:	7-16-2017
	Program Engineering Manager Xcel Energy. Peter Brunsgaard	2 1.	
Concur:	Authorized Nuclear Inservice Inspector	_ Date:	1070613

Prairie Island Nuclear Plant Completion Code Compliance Summary - 4th Interval ISI - Code Edition - 1998, 2000 Addenda

									1
				Percent	Total#		Total#		
				Required for	•		Comp to	% Comp to	
Cat.	Item No.	Code Case	Population	Interval	Interval	Total Sched	Date.	Date.	Notes
ACC NOZ	NRCIN9105		8	100%	8	8	8	N/A	Accumulator nozzles owner elected examination.
Total:	14101143103		8			8	8	N/A	Accumulator nozzles owner elected examination.
Total.	·	And have been seen to be a seen							
B-A	B1.11		3	100%	3	3	0	N/A	RV shell circ welds. Deferral to end of interval allowed per IWB-2500-1
B-A	B1.21		1	100%	1	1	0	N/A	RV bottom head weld. Deferral to end of interval allowed per IWB-2500-1
B-A	B1.30	N-623	1	100%	1	1	0	N/A	RV shell to flange weld. Deferral to end of interval allowed per N-623
Total:			5 👉		5	5	0 .	N/A	
B-B	B2.11		2	100%	2	0	2	100%	Pressurizer circ welds
B-B	B2.12		2	100%	2	0	2	100%	Pressurizer long welds
B-B	B2.40		2	50%	1	0	1	100%	SG tubesheet to head. One of each similar vessel.
В-В	B2.60	RR-4-2	3	N/A	18	3	15	N/A	Class 1 tubesheet to head HX. VT-2 each outage per RR-4-2. Not included in count.
Total:			9	alii ii	5	. 0	. 5	100%	
ta				<u> </u>				* *** ***** ' *** ****************	
									RV nozzle inside radius. Deferral to end of interval allowed per IWB-2500-1 Not included in
B-D	B3.100		6	100%	6	6	0	N/A	count.
B-D	B3.120		5	100%	5	0	5	100%	Pressurizer nozzle full pen welds.
B-D	B3.140		4	100%	. 4	2	2	50%	SG tubesheet to head. One of each similar vessel.
B-D	B3.160	RR-4-2	6	N/A	36	6	30	N/A	Class 1 HX full pen nozzies. VT-2 each outage per RR-4-2. Not included in count.
B-D	B3.90		6	100%	6	6	0	N/A	Vessel full pen nozzle welds. Deferral to end of interval allowed per code case. Not included in count.
Total:		.,	27	10070	9	2	7	78%	an count.
				A. 1919					•
					1	1			Reactor Vessel Closure Head Bare Metal Examination. Augmented Examiantion required
B-E	B4.30	N-729-1	1	N/A	N/A	N/A	1		every 3rd outage. Not included in count.
Total:	فيشدن بالمانية		1		N/A	N/A	1	N/A	
B-G-1	B6.10		3	100%	3	1	2	N/A	RV nuts. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16.
20-1	50.10		•	1	ı	•	-		Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts.
B-G-1	B6.180		2	N/A	0	0	0	N/A	Only required when required by B-L-2.
B-G-1	B6.190		2	N/A	0	0	0	N/A	Flange surface only required when disassembled
			_				_	ļ	
B-G-1	B6.30		3	100%	3	1	2	N/A	RV studs. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16.

								1	RV ligaments. Deferral to end of interval allowed per IWB-2500-1. Each component is a set
B-G-1	B6.40		· 1	100%	1	1	0	N/A	of 48.
B-G-1	B6.50		3	100%	3	1		N/A	RV washers. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of
Total:	B0.50	and the second s		100%	N/A	N/A	2 N/A	N/A N/A	16.
i Iulai.	an Is also and assess				1	I	1707	- 11//	
B-G-2	B7.20		1	100%	1	0	1	100%	Pressurizer studs.
B-G-2	B7.30		4 .	50%	. 2	0	2	100%	SG studs.
B-G-2	B7,50		9	N/A	0	0	3	N/A	Flange bolting only if disassembled or bolting removed. Not included in count.
B-G-2	B7.60		4	N/A	0	0	1	N/A	Pump bolting only required when required by B-L-2. Not included in count.
B-G-2	B7.70		18	N/A	0	0	6	N/A	Valve bolting only required when required by B-M-2. Not included in count.
Total:			36		3	.0	3	·· 100%	Total Percentage completed for B7.20 and B7.30. Other items NA.
					1				
В-К	B10.10		6	N/A		1	1	N/A	Vessel attachments only one attachment of one of multiple similar vessels. Not included in
B-K	B10.10		41	10%	5	1 0	5	100%	count.
Total:	510.20		47	1070	-5	0 .	5	100%	Pipe attachments.
Total.	· · · · · · · · · · · · · · · · · · ·		47			<u> </u>		100%	~
B-L-1	B12.10		2	50%	1	1	0	N/A	Pump casing welds limited to one pump in each group of similar pumps.
Total:			2		1	<u> </u>	0	N/A	The unity casing well as infinited to one purity in each group of similar puritys.
1000				······································	i i i i i i i i i i i i i i i i i i i		·	10/7	
			l		1				Pump casing limited to one pump in each group of similar pumps. Only required when
B-L-2	B12.20		2	N/A	0	0	0	N/A	disassembled.
Total:			2		00	<u>Ö</u> .	. 0	N/A	
					1				
B-M-2	B12.50		17	N/A	N/A	1	3	N/A	Volume hardy integrined limited to one year to be according to the state of the sta
Total:	612.30			IN/A	I IN/A	L	3	N/A N/A	Valve body interior limited to one valve in each group. Only required when disassembled.
, Total.			17 , .			1	J		
B-N-1	B13.10		1	100%	3	1	2	N/A	RV interior all accessible areas to be examined once each period.
Total:			1		7.7.1	1	2	N/A	The month and acceptable and to be order in the color of
	alle gelle til er se flere i e tille gette til en	***************************************	en les en		A. met 6 American property and property and			***************************************	an.
B-N-2	B13.50		1	100%	1	1	0	N/A	RV interior attachments beltline. Deferral to end of interval allowed per IWB-2500-1
B-N-2	B13.60		11	100%	1	1	0	N/A	RV interior attachments not beltline. Deferral to end of interval allowed per IWB-2500-1
Total:			2		. 2	2 .	0.	. N/A	•
B-N-3	B13.70	:		100%	1	1	0	N/A	Core support structure. Deferral to end of interval allowed per IWB-2500-1
Total:			1 .	·	1	1 1	0	N/A	
									Control and worlds 00 notice and CRDMs with Control and All and a second
B-O	B14.10		66	10%	4	0	4	100%	Control rod welds. 20 peripheral CRDMs with 2 welds each. All welds had preservice exam as part of new RV head Deferral allowed per IWB-2412(a)3
Total:	**.		66		4	0	4	100%	The part of the field bottom anomology por HTD-2-T12(a)o
		***************************************			nud ar anner merenanden en erben				•••
B-P	B15.00		2	100%	12	2	10	N/A	Two pressure test procedures each outage.

Total:			2	and the second s	12	2	10	N/A	
B-Q	B16.20		2	l N/A	0	0	0	N/A	SG tubing per Technical Requirements Manual
Total:			2	I	0	. 0	0	N/A	
C-A	C1.10		8	50%	4	1	3	75%	Welds at gross structural discontinuity only. The examinations are limited to one vessel among a group of vessels of similar design, size, and service.
C-A	C1.20		4	50%	2	1	1	50%	Head circ welds.
C-A	C1.30		2	50%	1	11	0	0%	Tubesheet to shell welds.
Total:			14		7	3	4	57%	•
С-В	C2.21		4	50%	2	0	2	100%	Nozzle to sheli
C-B	C2.22		4	50%	2	0	2	100%	Nozzle inside radius
C-B	C2.31		4	50%	2	1	1	50%	Reinforcing plates.
Total:		i and a second control of the second control	12		. 6	1	5	84%	~ ·
	The state of the s	and the same of th	**************************************	and the second s					144
C-C	C3.10		4	50%	2	0	2	100%	Vessel attachment welds. One of similar vessels.
C-C	C3.20		99	10%	10	1	9	90%	Piping weld attachments
C-C	C3.30		16	10%	2	0	2	100%	Pump weld attachments
C-C	C3.40		2	10%	1	1	0	0%	Valve weld attachments
Total:	The second secon	and the same	121		15	. 2	13	87%	
learns and the second second	±		and the state of t	manufacture of the state of the state of the	PM to Mark San San and an enterpoint of the	**************************************			NA CONTRACTOR OF THE CONTRACTO
C-H	C7.00	Multiple	12	100%	36	6	30-		Class 2 pressure tests completed once each period. Some completed after outage.
Total:		.:	12		36	6	30		
The second of the second second	a de la companya de l					THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO PE	the state of the s		rin f
D-A	D1.10		8	50%	4	0	4	100%	Pressure Vessel Welded Attachments. For multiple vessels of similar design and service only the welds of one vessel need be selected for examination.
D-A	D1.20		96	10%	10	1	9	90%	Piping Welded Attachments
Total:		errag marrors (Profess Annie Magdellaghe i Meigenia) 	104		14	1	13*	93%	-
				and the second s	- triar contra substitute a	e comercina de la marcina de la compansión de la compansi	The control of the control of the state of t		,
D-B	D2.10	Multiple	4	100%	12	8	4		Class 3 pressure tests completed once each period. Some completed after outage.
Total:			4		12	8	4		
						_			
F-A	F1.10a		70	25%	18	3	15	83%	Class 1 pipe supports one direciton
F-A	F1.10b		76	25%	19	3	16	84%	Class 1 pipe supports multidirection
F-A	F1.10c		65	25%	17	5	12	71%	Class 1 pipe supports thermal movement (springs).
F-A	F1.20a		118	15%	18	2	16	89%	Class 2 pipe supports one direction
F-A	F1.20b		81	15%	13	2	11	85%	Class 2 pipe supports multidirection
F-A	F1.20c		61	15%	10	1	9	90%	Class 2 pipe supports thermal movement (springs).
F-A	F1.30a		174	10%	18	1	. 17	94%	Class 3 pipe supports one direciton
F-A	F1.30b		203	10%	21 .	3	18	86%	Class 3 pipe supports multidirection
F-A	F1.30c		49	10%	5	0	5	100%	Class 3 pipe supports thermal movement (springs).

F-A Total:	F1.40	mana ang ang asa Tang ang ang ang ang ang ang ang ang ang	74 971		37 139	. 1	39 119	N/A 86%	Other supportsClass 1,2,3, MC. Visual VT-3 examination of 100% of all non-exempt Supports, other than piping supports. For multiple components, the supports of only one of the multiple components are required to be examined. Not included in count.
R-A	R1.11-2		85	25%	21	0	22	100%	RI-ISI Thermal fatigue high risk
R-A	R1.11-5		48	10%	5	1	5	100%	RI-ISI Thermal fatigue medium risk
R-A	R1.15-2		2	25%	1	0	1	100%	PWSSC high risk (pressurizer nozzle)
R-A	R1.16-2		4	25%	1	1	1	100%	SCC high risk
R-A	R1.16-5		4	10%	1	0	1	100%	SCC medium risk
R-A	R1.19-5		4	10%	1	0	1	100%	ECSCC medium risk
R-A	R1.20-4		782	10%	78	0	80	100%	Not subject to damage medium risk
R-A	R1,20-6		696	0%	0	0	0	100%	Not subject to damage low risk
R-A	R1.20-7		33	0%	0	0	0	100%	Not subject to damage low risk
Total:	According to Company and the second s		1658		108	2	111	100%	·



AUG 2 3 2012

L-PI-12-077 10 CFR 50.55a

U S Nuclear Regulatory Commission ATTN: Document Control Desk Washington, DC 20555-0001

Prairie Island Nuclear Generating Plant Unit 2 Docket 50-306 Renewed License No. DPR-60

Inservice Inspection Summary Report, Interval 4, Period 3, Outage 1, Refueling Outage Dates: 02-21-2012 to 05-29-2012 Unit 2, Fuel Cycle 26: 05-26-2010 to 05-29-2012

During the 2012 Prairie Island Nuclear Generating Plant (PINGP) Unit 2 refueling outage, an inservice inspection (ISI) examination for the third period of the fourth interval was conducted. Enclosure 1 is a copy of the ISI examination summary report for this period.

The summary report is being submitted in accordance with the PINGP American Society of Mechanical Engineers (ASME) Code Section XI ISI Program and is intended to satisfy the inspection reporting requirements contained in IWA-6230 of the ASME Boiler and Pressure Vessel Code.

The report identifies components examined; the examination methods used; the examination number; and summarizes the results. All anomalies were either corrected or an engineering evaluation was performed to accept "as-is" conditions. A description of repair/replacement activities and the corresponding work order numbers are provided in Section 8 of the enclosure.

Summary of Commitments

This letter contains no new commitments and no revisions to existing commitments.

James E. Molden

Site Vice President, Prairie Island Nuclear Generating Plant

Northern States Power Company - Minnesota

Enclosure

Document Control Desk Page 2

cc: Administrator, Region III, USNRC
Project Manager, PINGP, USNRC
Resident Inspector, PINGP, USNRC
Chief Boiler Inspector, State of Minnesota

ENCLOSURE 1

Inservice Inspection Summary Report, Interval 4, Period 3, Outage 1, Refueling Outage Dates: 02-21-2012 to 05-29-2012 Unit 2, Fuel Cycle 26: 05-26-2010 to 05-29-2012

NSPM PRAIRIE ISLAND NUCLEAR GENERATING PLANT 1717 WAKONADE DRIVE EAST WELCH, MINNESOTA 55089

INSERVICE INSPECTION SUMMARY REPORT INTERVAL 4, PERIOD 3, OUTAGE 1 REFUELING OUTAGE DATES: 02-21-2012 TO 05-29-2012 UNIT 2, FUEL CYCLE 26: 05-26-2010 TO 05-29-2012

COMMERCIAL SERVICE DATE: DECEMBER 21, 1974

Prepared by:	Thomas Ocernine	Date:	8/17/2012
	ISI Program Engineer, Prairie Island Tom Downing		
Reviewed by:	TRN FOT Rou Cloud Repair/Replacement Program Engineer, Prairie Island	Date:	8-20-12
	Ron Clow		
Reviewed by:	Dull	Date:	8-20-12
	NDE Revet III, Prairie Island Jerry Wren		
Reviewed by:	Program Engineering Supervisor, Prairie Island	Date:	17 ang Zolz
	Jeff Ricker		
Approved by:	I wille	Date:	8-20-2012
	Program Engineering Manager, Prairie Island		
	Dave Potter		

Table of Contents

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Section 7.	Steam Generator Eddy Current Examination Results	1
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Section 1. Discussion

1.0 INTRODUCTION

This summary report identifies the components examined, the examination methods used, the examination number and summarizes the results of examinations performed during the 3rd period of the 4th interval, unit 2 fuel cycle 26. The 4th inspection interval is based on the examination requirements of the ASME Boiler and Pressure Vessel Code Section XI, 1998 Edition with 2000 Addenda within the limitations and modifications required by Title 10 of the Code of Federal Regulation, Part 50.55a.

2.0 PERSONNEL

Visual and nondestructive examinations were performed by Xcel Energy Company and Lambert Macgill & Thomas (LMT). The Hartford Steam Boiler Inspection and Insurance Company of Connecticut provided the Authorized Inspection services. Examination personnel certifications are maintained on file by Xcel Energy Company.

3.0 INSPECTION SUMMARY

Examination results indicate that plant system's integrity has been maintained.

Section 3 contains the Class 1 and 2 components examined, the examination number and summary of the examination results performed during unit 2 cycle 26. The number and percentage of scheduled examinations or tests completed are also included in this section as required by IWA-6220(f). There were no Class 1 or 2 examinations with indications requiring scope expansion or repair/replacement. There was one limited volumetric examination (AR 1343795) of a class 1 valve to reducer weld limited by geometry. A Relief request will be submitted for the limitation as required by 10 CFR 50.55a(g)(5)(iv).

Section 4 contains the Class MC components examined, the examination number and summary of the examination results performed during unit 2 cycle 26. The second IWE interval, September 10, 2008 through September 9, 2018, is based on the examination requirements of the 2001 Edition with 2003 Addenda of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code Section XI with limitations and modifications as required by Title 10 of the Code of Federal Regulation, Part 50.55a. The number and percentage of examinations or tests completed are also included in this section as required by IWA-6220(f). There were no indications that required repair/replacement or successive inspections under IWE-2420. This section includes an evaluation of inaccessible areas as required by 10CFR50.55a(b)(2)(ix)(A) to

address indication of refueling cavity leakage in contact with the steel containment vessel (AR1332452).

Section 5 contains a summary of pressure tests completed or initiated during the cycle including pressure tests completed since the last 90 day summary report, but before the end of the preceding period. All indications of leakage were evaluated and/or corrective measures performed as required by IWA-5250, IWB-3142 and IWC-3132.

Section 6 contains the Snubber inspection results. There were no visual snubber failures. All snubbers that under went functional testing had satisfactory results.

Section 7 addresses the Eddy Current examination results of the 21 and 22 Steam Generators tubes.

Section 8 contains 36 Repair/Replacement activities completed in the 4th Interval unit 2 cycle 26.

4.0 EXAMINATON REPORTS, EQUIPMENT AND MATERIALS

The inservice inspection reports in Sections 3 and 4 contain references to procedures, equipment, and materials used to complete the specific examinations. Copies of the examination reports, examination procedures, and equipment records are available from Xcel Energy Company.

Sections 3 and 4 may contain several abbreviations which are identified below:

CAP = Corrective Action Process

CE = Condition Evaluation

GEO = Geometry, evaluation of indication

OPR = Operability Recommendation

IN = Information Notice

IND = Indication requires further evaluation

NAD = No Apparent Defects

SE = Safety Evaluation

WO = Work Order

WR = Work Request

Section 2. NIS-1 (2 pages attached)

NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS (As required by the Provisions of the ASME Code Rules)

NSPM d/b/a Xcel Energy, 414 Nicollet Mall, Minneapolis, Minnesota 55401 (Name and Address of Owner)									
2. Plant Prairie Island No	uclear Generating Plant, (Name and A	1717 Wakonade Drive ddress of Plant)	E, Welch, Minne	esota 55089					
3. Plant Unit		2							
4. Owner Certificate of Auth	norization (if required)	N/A							
5. Commercial Service Date	е	12/21/1974		_					
6. National Board Number f	for Unit	N/A							
7. Components Inspected	•								
Component or Appurtenance	Manufacturer or Installer	Manufacturer of Installer Serial No.	State or Province No.	National Board No.					
Reactor Vessel Head	Mitsubishi Heavy Inds.								
Reactor Vessel	Creuot-Loire	687	MINN-200-51						
Pressurizer	Westinghouse	1191		68-57					
21 Steam Generator	Westinghouse	1181		68-39					
22 Steam Generator	Framatome ANP	1182		68-40					
21 Reactor Coolant Pump	Westinghouse	W510							
22 Reactor Coolant Pump	Westinghouse	W515							
21 RHR Heat Exchanger	Joseph Oats & Sons	1817-1C		342					
22 RHR Heat Exchanger	Joseph Oats & Sons	1817-1D		343					
21 RHR Pump	Byron Jackson								
22 RHR Pump	Byron Jackson								
21 Safety Injection Pump	Bingham								
22 Safety Injection Pump	Bingham								
21 Accumulator Tank	Delta Southern	41037-68-1		2575					
22 Accumulator Tank	Delta Southern	41037-69-1		2576					
Unit 2 Containment	Chicago Bridge & Iron								
8. Examination Dates:	05/26/2010		to <u>0</u> 8	5/29/2012					
9. Inspection Period Identific	cation: (3rd Period)	12/21/2011	to 12	2/20/2014					
0. Inspection Interval Identification: (4th Interval) 12/21/2004 to 12/20/2014									

11. Applicable Edition of Section XI: 1998 Edition with 2000 Addenda (2001 Edition, 2003 Addenda IWE)								
12. Date/Revision of Inspection Plan: 4/28/12, Revision 11								
13. Abstract of Examination and Tests. Include a list of examinations and tests and statement concerning status of work required for the Inspection Plan								
See Sections 3 through 7								
14. Abstract of Results of Examinations and Tests								
See Sections 3 through 7								
15. Abstract of Corrective Measures								
See Sections 3 through 6								
We certify that a) that the statements made in this report are correct, b) the examinations and tests meet the Inspection Plain as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI. Certificate of Authorization No. (if applicable) N/A ExpirationDate Date By Tom Downing								
CERTIFICATE OF INSERVICE INSPECTION I, undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or provinces of								
I, undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or								
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Section 3. ISI Examinations (13 pages attached)

The following table summarizes the ISI inspections performed in cycle 26. Inspections are listed by class, category and site summary number. Inspections that identified indications or were limited are **bold** with a reference to the corrective action process (AR) number as appropriate. There was no Class 1 or 2 examinations with indications requiring scope expansion or repair/replacement. There was one Limited Examination of a class 1 valve to reducer weld limited by geometry. A Relief request will be submitted as required by 10 CFR 50.55a(g)(5)(iv). The second table lists the number and percentage of examinations or tests completed as required by IWA-6220(f).

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Unit 2 Fuel Cycle 26, 05/24/2010 to 05/29/2012 Inservice Inspection Report Interval 4, Period 3, Outage 1 (2R27)

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 2

4. Owner Certificate of Authorization (If Req.):

5. Commercial Service Date: 12/21/1974

6. National Board Number for Unit: N/A

Summary N	lo. Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
Class 1 501474	Category B-B W-1	(Pressure Retaining Welds in Vessels Vertical Shell Weld	other than Re B2.12	actor Vessels) FP-PE-NDE- 406	UT / 2012U042 / NAD	RC	2-ISI-36	4/12/2012	ISI
501482	W- 1	Cap-Integral Tubesht	B2.60	FP-PE-NDE- 520	VT / 2012V061 / NAD	VC	2-ISI-34	5/23/2012	ISI
501536	W- 2	Cap-Integral Tubesht	B2.60	FP-PE-NDE- 520	VT / 2012V062 / NAD	vc	2-ISI-34	5/23/2012	ISI
501558	W- 3	Bottom Head to Shell	B2.11	FP-PE-NDE- 406	UT / 2012U041/ NAD	RC	2-ISI-36	4/12/2012	ISI
501594	W- 3	Cap-Integral Tubesht	B2.60	FP-PE-NDE- 520	VT / 2012V063 / NAD	vc	2-ISI-34	5/23/2012	ISI
Class 1 501409	Category B-D N- 2 IR	(Full Penetration Welds of Nozzle in Spray Nozzle	√essels) B3.120	SWI NDE-UT- 14	UT / 2012U036 / NAD	RC	2-ISI-35	3/20/2012	ISI
505001	N- 1 IR	Surge Nozzie	B3.120	SWI NDE-UT- 14	UT / 2012U012 / NAD	RC	2-ISI-35	3/2/2012	ISI
505024	N- 1 IR	Nozzle Inner Radius	B3.160	FP-PE-NDE- 520	VT / 2012V064 / NAD	vc	2-ISI-34	5/23/2012	ISI
505025	N- 2 IR	Nozzle Inner Radius	B3.160	FP-PE-NDE- 520	VT / 2012V065 / NAD	vc	2-ISI-34	5/23/2012	ISI
505026	N- 3 IR	Nozzle Inner Radius	B3.160	FP-PE-NDE- 520	VT / 2012V066 / NAD	vc	2-151-34	5/23/2012	ISI
505027	N- 4 IR	Nozzle Inner Radius	B3.160	FP-PE-NDE- 520	VT / 2012V067 / NAD	vc	2-ISI-34	5/23/2012	ISI
505028	N- 5 IR	Nozzle Inner Radius	B3.160	FP-PE-NDE- 520	VT / 2012V068 / NAD	vc ·	2-ISI-34	5/23/2012	ISI
505029	N- 6 IR	Nozzle Inner Radius	B3.160	FP-PE-NDE- 520	VT / 2012V069 / NAD	vc	2-ISI-34	5/23/2012	ISI

Class 1 Category B-G-2 (Pressure Retaining Bolting, 2 inch and Less in Diameter)

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Unit 2 Fuel Cycle 26, 05/24/2010 to 05/29/2012 Inservice Inspection Report

Interval 4, Period 3, Outage 1 (2R27)

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 2

- 4. Owner Certificate of Authorization (If Req.):
- 5. Commercial Service Date: 12/21/1974
- 6. National Board Number for Unit: N/A

Summary No	. Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
500724	B- 1	Inlet Manway Studs	B7.30	FP-PE-NDE- 510	VT / 2012V033 / NAD	SG	2-ISI-37A	3/22/2012	PSI
				FP-PE-NDE- 510	VT / 2012V036 / NAD	SG	2-ISI-37A	3/23/2012	ISI
500725	B- 1	Inlet Manway Studs	B7.30	FP-PE-NDE- 510	VT / 2012V034 / NAD	SG	2-ISI-37B	3/22/2012	PSI
				FP-PE-NDE- 510	VT / 2012V037 / NAD	SG	2-ISI-37B	3/23/2012	ISI
501013	B- 1	Manway Studs	B7.20	FP-PE-NDE- 510	VT / 2011V096 / NAD	RC	2-ISI-35	10/15/2011	PSI
				FP-PE-NDE- 510	VT / 2012V026 / NAD	RC	2-ISI-35	3/8/2012	ISI
501019	B- 2	Outlet Manway Studs (16)	B7.30	FP-PE-NDE- 510	VT / 2012V035 / NAD	SG	2-ISI-37B	3/22/2012	PSI
Class 1	Category B-K	(Integral Attachments to Vessels, Pipir	ng, Pumps & Va	alves)					
520219	H-3/IA	Int. Attach.[Support]	B10.20	SWI NDE-PT-1	PT / 2012P001 / NAD	RC	2-ISI-29	3/7/2012	ISI
521730	H-1/IA	Int. Attach[Base]	B10.10	SWI NDE-MT-1	MT / 2012M001 / NAD	RC	2-ISI-36	3/7/2012	ISI
Class 1	Category B-P	(All Pressure Retaining Components) See section 5 for pressure tests.							
Class 1	Category F-A	(Supports)							
500019	H- 3	Support	F1.10a	FP-PE-NDE- 530	VT / 2012V025 / NAD	RC	2-ISI-29	3/7/2012	ISI
500272	H- 5	Restraint	F1.10a	FP-PE-NDE- 530	VT / 2012V009 / NAD	RC	2-ISI-20A	2/25/2012	ISI .
500273	H- 1	Restraint	F1.10b	FP-PE-NDE- 530	VT / 2012V011 / NAD	RC	2-ISI-20A	2/25/2012	ISI
501041	H- 2	Restraint	F1.10a	FP-PE-NDE- 530	VT / 2012V010 / NAD	,vc	2-ISI-13E	2/25/2012	ISI
501061	H- 6	Snubber/Clamp	F1.10c	FP-PE-NDE- 530	VT / 2012V048 / NAD	RC	2-ISI-13A	4/4/2012	PSI

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Unit 2 Fuel Cycle 26, 05/24/2010 to 05/29/2012 Inservice Inspection Report Interval 4, Period 3, Outage 1 (2R27)

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 2

4. Owner Certificate of Authorization (If Req.):

5. Commercial Service Date: 12/21/1974

6. National Board Number for Unit: N/A

Summary No.	Comp. ID	Comp. Desc.	ltem	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
501064	H- 5	Spring/Clamp	F1.10c	FP-PE-NDE- 530	VT / 2012V015 / NAD	RC	2-ISI-24	2/27/2012	ISI
501099	H- 3	Restraint	F1.10b	FP-PE-NDE- 530	VT / 2012V016 / NAD	SI	2-ISI-23	2/27/2012 -	ISI
501101	H- 2	Restraint	F1.10b	FP-PE-NDE- 530	VT / 2011V095 / NAD	SI	2-181-5	10/14/2011	PSI
501162	H- 5	Seismic Anchor	F1.10b	FP-PE-NDE- 530	VT / 2012V014 / NAD	RC	2-ISI-7A	2/27/2012	ISI
501174	H- 3	Spring	F1.10c	FP-PE-NDE- 530	VT / 2012V049 / NAD	VC	2-ISI-12C	3/23/2012	PSI
501259	H- 2	Snubber/Clamp	F1.10c	FP-PE-NDE- 530	VT / 2012V038 / NAD	RH	2-ISI-10B	3/23/2012	PSI
501268	H- 3	Snubber/Clamp	F1.10c	FP-PE-NDE- 530	VT / 2012V044 / NAD	Si	2-ISI-22A	3/27/2012	PSI
501273	H- 4	Snubber/Clamp	F1.10c	FP-PE-NDE- 530	VT / 2012V041 / NAD	SI	2-ISI-22B	3/24/2012	PSI
501363	H-6A	Double Snubber/Clamp	F1.10c	FP-PE-NDE- 530	VT / 2012V045 / NAD	SI	2-ISI-11	3/27/2012	PSI ·
501730	H- 1	Base	F1.40	FP-PE-NDE- 530	VT / 2012V024 / NAD	RC	2-IS!-36	3/7/2012	ISI
502645	H- 3	Snubber 3	F1.40	FP-PE-NDE- 530	VT / 2012V029 / NAD	SG	2-ISI-37C	3/8/2012	PSI
502649	H- 3	Snubber 3	F1.40	FP-PE-NDE- 530	VT / 2012V057 / NAD	SG	2-ISI-37D	5/11/2012	PSI
Class 1 C 501512-RI	Category R-A W-9	(Risk-Informed Piping Examinations) Pipe to Elbow	R1.20-4	FP-PE-NDE- 402	UT / 2012U024 / NAD	RC	2-ISI-6	3/12/2012	ISI
501524-RI	W-7	45 Elbow to Reducer	R1.16-5	FP-PE-NDE- 402	UT / 2012U023 / NAD	SI	2-iSI-23	3/12/2012	ISI

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Unit 2 Fuel Cycle 26, 05/24/2010 to 05/29/2012 Inservice Inspection Report Interval 4, Period 3, Outage 1 (2R27)

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 2

- 4. Owner Certificate of Authorization (If Req.):
- 5. Commercial Service Date: 12/21/1974
- 6. National Board Number for Unit: N/A

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
501576-RI Comments:	W- 8	Reducer to Valve mination will rerquire Relief Request. See	R1.16-5 AR 1343795.	FP-PE-NDE- 402	UT / 2012U021 / NAD	RC	2-ISI-23	3/12/2012	ISI
501592-RI	W- 4	Pipe To Elbow	R1.20-4	FP-PE-NDE- 402	ÚT / 2012U019 / NAD	RC	2-ISI-30A	2/29/2012	ISI
501627-RI	W- 5	Pipe to 45 Elbow	R1.20-4	FP-PE-NDE- 402	UT / 2012U039 / NAD	RC	2-ISI-7E	3/9/2012	ISI
501639-RI	W- 6	Elbow To Reducer	R1.20-4	FP-PE-NDE- 402	UT / 2012U018 / NAD	RC	2-ISI-29	2/29/2012	ISI
501676-RI	W- 6	45 Elbow to Pipe	R1.20-4	FP-PE-NDE- 402	UT / 2012U022 / NAD	RC	2-ISI-7E	3/9/2012	ISI
501680-RI	W- 6	Elbow to Pipe	R1.20-4	FP-PE-NDE- 402	UT / 2012U027 / NAD	RC	2-ISI-17	3/13/2012	ISI
501844-RI	W- 9	Pipe To 45 Elbow	R1.11-2	FP-PE-NDE- 402	UT / 2012U031 / NAD	RC	2-ISI-31	3/16/2012	ISI
501885-RI	W-10	45 Elbow To 30 Elbow	R1.11-2	FP-PE-NDE- 402	UT / 2012U030 / NAD	RC .	2-151-31	3/16/2012	ISI
502071-RI	W-14	Bent Pipe To Bent Pipe	R1.11-2	FP-PE-NDE- 402	UT / 2012U035 / IND	RC	2-151-31	3/16/2012	ISI
				FP-PE-NDE- 403	UT / 2012U043 / NAD	RC	2-ISI-31	3/24/2012	ISI
Comments:	Fabrication	flaw outside exam volume accepted by c	ode of construc	tion. Dispositio	ned on 2012U043.				
502111-RI	W-15	Bent Pipe To Reducer	R1.11-2	FP-PE-NDE- 402	UT / 2012U020 / NAD	RC	2-ISI-31	2/29/2012	ISI
502192-RI	W- 1	Pipe to Elbow	R1.20-4	FP-PE-NDE- 402	UT / 2012U026 / NAD	RC	2-ISI-7B	3/13/2012	ISI
502229-RI	W-18	Elbow to Pipe	R1.20-4	FP-PE-NDE- 402	UT / 2012U025 / NAD	RC .	2-ISI-14	3/12/2012	ISI
502248-RI	W-19	Pipe To Elbow	R1.20-4	FP-PE-NDE- 402	UT / 2012U028 / NAD	RC	2-ISI-3	3/13/2012	ISI

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Unit 2 Fuel Cycle 26, 05/24/2010 to 05/29/2012 Inservice Inspection Report Interval 4, Period 3, Outage 1 (2R27)

- Owner: Xcel Energy
 Plant: Prairie Island Nuclear Generating Plant
- 3. Plant Unit: 2

- 4. Owner Certificate of Authorization (If Req.):
- 5. Commercial Service Date: 12/21/1974
- 6. National Board Number for Unit: N/A

Summary No.	Comp. ID	Comp. Desc.	ltem	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
502269-RI	W-20	Elbow to Pipe	R1.20-4	FP-PE-NDE- 402	UT / 2012U029 / NAD	RC	2-ISI-3	3/13/2012	ISI
Class 2 C 502680	Category C-B N-4 IR	(Pressure Retaining Nozzle Welds in V MS Nozzle Inner Radi	/essels) C2.22	SWI NDE-UT-5	UT / 2012U017 / NAD	SG	2-ISI-37B	3/5/2012	ISI
Class 2 C 520317	Category C-C H-18/IA	(Welded Attachments for Vessels, Pipi Int. Attach[Double Spring Hanger]	ing, Pumps & V C3.20	-	MT / 2012M003 / NAD	AF	2-ISI-48A	3/23/2012	ISI
520671	H-4/IA	Int. Attach[Support]	C3.20	SWI NDE-MT-1	MT / 2012M002 / NAD	FW	2-ISI-48	3/10/2012	ISI
520988	H-3/IA	Int. Attach[Seismic Restraint]	C3.20	SWI NDE-MT-1	MT / 2012M004 / NAD	MS .	2-ISI-47A	4/2/2012	ISI
Class 2 C	Category C-H	(All Pressure Retaining Components) See section 5 for pressure tests.						·	
Class 2 C 500307	Category F-A H-8	(Supports) · Single Support	F1.20b	FP-PE-NDE- 530	VT / 2012V027 / NAD	AF	2-ISI-48A	3/8/2012	ISI
500374	H- 5	Pump Base (Slide)	F1.40	FP-PE-NDE- 530	VT / 2012V030 / NAD	RH	2-ISI-51	3/14/2012	ISI
500671	H- 4	Support	F1.20a	FP-PE-NDE- 530	VT / 2012V028 / NAD	FW	2-ISI-48	3/10/2012	ISI
500985	H- 2	Seismic Restraint	F1.20a	FP-PE-NDE- 530	VT / 2012V012 / IND	MS	2-ISI-47A	2/27/2012	ISI
Comments:	2012\/012 in	· dications previously evaluated and found	accontable (cor	FP-PE-NDE- 530	VT / 2012V051 / IND	MS	2-ISI-47A	4/10/2012	ISI
comments.	2012401210	areanone previously evaluated and lound	acceptante (see	s sharepoint AIN		EVAIDALEU OII AN 1320073	··		
500988	H- 3	Seismic Restraint	F1.20a	FP-PE-NDE- 530	VT / 2012V013 / NAD	MS	2-ISI-47A	2/27/2012	ISI

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Unit 2 Fuel Cycle 26, 05/24/2010 to 05/29/2012 Inservice Inspection Report Interval 4, Period 3, Outage 1 (2R27)

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 2

- 4. Owner Certificate of Authorization (If Req.):
- 5. Commercial Service Date: 12/21/1974
- 6. National Board Number for Unit: N/A

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
500990	H- 8	Double Snubber/Clamp	F1.20c	FP-PE-NDE- 530	VT / 2012V046 / NAD	MS	2-ISI-46A	3/27/2012	PSI
501182	H- 2	Spring Hanger	F1.20c	FP-PE-NDE- 530	VT / 2012V040 / NAD	RH	2-ISI-52	3/24/2012	ISI
501238	H- 3	Snubber/Clamp	F1.20c	FP-PE-NDE- 530	VT / 2012V053 / NAD	RH	2-ISI-52	4/28/2012	PSI
				FP-PE-NDE- 530	VT / 2012V055 / NAD	RH	2-ISI-52	4/29/2012	PSI
505132	H- 1	Single Support	F1.20a	FP-PE-NDE- 530	VT / 2012V020 / NAD	SI	2-ISI-90C	3/5/2012	ISI
505418	H- 1	Restraint	F1.20b	FP-PE-NDE- 530	VT / 2012V017 / NAD	SI	2-ISI-93B	3/1/2012	ISI
515400	H-1	Restraint	F1.20b	FP-PE-NDE- 530	VT / 2012V021 / NAD	RH	2-ISI-50	3/5/2012	ISI
515562	H-7 -	Seismic Snubber	F1.20c	FP-PE-NDE- 530	VT / 2012V047 / NAD	CS .	2-ISI-98A	3/29/2012	PSI
Class 2 C	Category FW N-1 Ring	TOSG (Feedwater to Steam Generators FW Ring/Tee supports	S Owner Electe NRCIN9320	d) FP-PE-NDE-	VT / 2012V043 / NAD	SG	2-ISI-37A	3/26/2012	OWN
	Tee			530					
Class 2 C 500295-RI	Category R-A W-20	(Risk-Informed Piping Examinations) Pipe to Flued Head	R1.11-5	FP-PE-NDE- 401	UT / 2012U013 / NAD	AF	2-iSI-48	3/2/2012	ISI
500296-RI	W-20A	Flued Head to Pipe	R1.11-5	FP-PE-NDE- 401	UT / 2012U014 / NAD	FW	2-ISI-48	3/2/2012	ISI
500634-R(W-24	Reducer to Nozzle	R1.11-5	FP-PE-NDE- 401	UT / 2012U016 / NAD	FW .	2-ISI-48	3/2/2012	OWN
500635-RI	W-23	Pipe to Reducer	R1.11-5	FP-PE-NDE- 401	UT / 2012U015 / NAD	FW	2-ISI-48	3/2/2012	ISI
501595-RI	W- 6/LSD	Pipe to Tee	R1.20-4	FP-PE-NDE- 402	UT / 2012U032 / NAD	RH	2-ISI-54	3/21/2012	ISI

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Unit 2 Fuel Cycle 26, 05/24/2010 to 05/29/2012 Inservice Inspection Report Interval 4, Period 3, Outage 1 (2R27)

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 2

- 4. Owner Certificate of Authorization (If Req.):5. Commercial Service Date: 12/21/1974
- 6. National Board Number for Unit: N/A

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
501605-RI	W-15	Elbow to Pipe	R1.19-5		PT / 2012P002 / NAD UT / 2012U040 / NAD	RH RH	2-ISI-54A 2-ISI-54A	4/4/2012 3/28/2012	ISI ISI
501871-RI	W-30	Pipe to Tee	R1.11-2	FP-PE-NDE- 402	UT / 2012U038 / NAD	RH	2-IS1-54	3/21/2012	ISI
502020-RI	W-16/LSUD	Pipe to Elbow	R1.20-4	FP-PE-NDE- 402	UT / 2012U003 / NAD	RH	2-ISI-64	2/22/2012	ISI
502022-ŘI	W-17/LSUD	Elbow to Pipe	R1.20-4	FP-PE-NDE- 402	UT / 2012U004 / NAD	RH	2-ISI-64	2/22/2012	ISI
502137-RI	W- 5/LSUD	Elbow to Pipe	R1.20-4	FP-PE-NDE- 402	UT / 2012U006 / NAD	RH	2-ISI-98	2/22/2012	ISI
502139-RI	W- 8/LSUD	Pipe to Elbow	R1.20-4	FP-PE-NDE- 402	UT / 2012U007 / NAD	RH	2-ISI-98	2/22/2012	ISI
502303-RI	W- 9/LSU	45 Elbow to Pipe	R1.20-4	FP-PE-NDE- 402	UT / 2012U034 / NAD / GEO	RH	2-ISI-54	3/21/2012	ISI
502304-RI	W- 8/LSD	Pipe to 45 Elbow	R1.20-4	FP-PE-NDE- 402	UT / 2012U033 / NAD / GEO	RH	2-ISI-54	3/21/2012	ISI
502351-RI	W-14/LSD	Pipe to Elbow	R1.11-2	FP-PE-NDE- 402	UT / 2012U037 / NAD	SI	2-ISI-55	3/28/2012	ISI
505047-RI	W- 4	Pipe to Elbow	R1.20-4	FP-PE-NDE- 402	UT / 2012U001/ NAD	SI	2-ISI-90A	2/22/2012	ISI
505056-RI	W-12	Elbow to Pipe	R1.20-4	FP-PE-NDE- 402	UT / 2012U005 / NAD	SI	2-ISI-90A	2/22/2012	ISI
505057-RI	W-13	Pipe to Elbow	R1.20-4	FP-PE-NDE- 402	UT / 2012U002 / NAD	SI	2-ISI-90A	2/22/2012	ISI
505366-RI	W-13	Pipe to Elbow	R1.20-4	FP-PE-NDE- 402	UT / 2012U011 / NAD	SI	2-ISI-93A	2/29/2012	ISI
505367-RI	W-14	Elbow to Pipe	R1.20-4	FP-PE-NDE- 402	UT / 2012U010 / NAD	SI	2-ISI-93A	2/29/2012	ISI

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Unit 2 Fuel Cycle 26, 05/24/2010 to 05/29/2012 Inservice Inspection Report Interval 4, Period 3, Outage 1 (2R27)

- 1. Owner: Xcel Energy
- 2. Plant: Prairie Island Nuclear Generating Plant
- 3. Plant Unit: 2

- 4. Owner Certificate of Authorization (If Req.):
- 5. Commercial Service Date: 12/21/1974
- 6. National Board Number for Unit: N/A

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
505369-RI	W-16	Elbow to Pipe	R1.20-4	FP-PE-NDE- 402	UT / 2012U009 / NAD	SI	2-ISI-93A	2/29/2012	ISI
505586-RI	W- 3	Reducer to Pipe	R1.20-4	FP-PE-NDE- 402	UT / 2012U008 / NAD	cs	2-ISI-100	2/22/2012	ISI
Class 3 C 522767	Category D-A SVH-5/IA	(Welded Attachments Vessels, Piping Int. Attach[RIGID]	, Pumps, & Val D1.20	ives) FP-PE-NDE- 510	VT / 2012V018 / NAD	MS	ND-2-3-109	3/1/2012	ISI
522925	CCH-20/IA	Int. Attach[SEISMIC ANCHOR]	D1.20	FP-PE-NDE- 510	VT / 2012V006 / NAD	cc	ND-2-3-76	2/23/2012	ISI
525163	2EGH- 5005/IA	Int. Attach[GUIDE]	D1.20	FP-PE-NDE- 510	VT / 2012V022 / NAD	D5	ND-2-3-315	3/6/2012	ISI
Class 3 C 501253	Category F-A H-1	(Supports) Support A-Base	F1.40	FP-PE-NDE- 530	VT / 2012V031 / NAD	cw	ND-2-3-74A	3/15/2012	ISI
512767	SVH-5	RIGID	F1.30a	FP-PE-NDE- 530	VT / 2012V019 / NAD	MS	ND-2-3-109	3/1/2012	ISI
512794	CCH-56	Spring .	F1.30c	FP-PE-NDE- 530	VT / 2012V032 / NAD	СС	ND-2-3-81	3/16/2012	ISI
512812	CCH-13	ROD	F1.30a	FP-PE-NDE- 530	VT / 2012V008 / NAD	СС	ND-2-3-75	2/23/2012	ISI
512920	2-CWH-50	Snubber	F1.30c	FP-PE-NDE- 530	VT / 2012V005 / NAD	cw	ND-2-3-2	2/23/2012	ISI
512925	CCH-20	Seismic Anchor	F1.30b	FP-PE-NDE- 530	VT / 2012V007 / NAD	cc	ND-2-3-76	2/23/2012	!SI
512958	SVH-1	Sway Strut/Clamp	F1.30a	FP-PE-NDE- 530	VT / 2012V054 / IND	MS	ND-2-3-109	4/30/2012	PSI .
Comments:	Disposition	ed as acceptable AR 58774.							
515051	CWH-604	Sway Strut	F1.30b	FP-PE-NDE- 530	VT / 2012V050 / IND	cw	ND-2-3-74	4/1/2012	PSI
Comments:	Lack of thre	ad engagement evaluted as acceptable A	R 1331746.						

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Unit 2 Fuel Cycle 26, 05/24/2010 to 05/29/2012 Inservice Inspection Report Interval 4, Period 3, Outage 1 (2R27)

Owner: Xcel Energy
 Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 2

4. Owner Certificate of Authorization (If Req.):

5. Commercial Service Date: 12/21/1974

6. National Board Number for Unit: N/A

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
5151 6 3	2EGH-5005	GUIDE	F1.30a	FP-PE-NDE- 530	VT / 2012V023 / NAD	D5	ND-2-3-315	3/6/2012	ISI
515172	2EGH-6021	GUIDE	F1.30a	FP-PE-NDE- 530	VT / 2012V001 / NAD	D6	ND-2-3-319	2/22/2012	ISI
515187	2EGH-6025	RESTRAINT	F1.30b	FP-PE-NDE- 530	VT / 2012V002 / NAD	D6	ND-2-3-323	2/22/2012	ISI
515272	2EGH-6060	GUIDE	F1.30b	FP-PE-NDE- 530	VT / 2012/V004 / NAD	D6	ND-2-3-345	2/22/2012	ISI
515275	2EGH-6061	SADDLE HANGER	F1.30b	FP-PE-NDE- 530	VT / 2012V003 / NAD	D6	ND-2-3-346	2/22/2012	ISI

Prairie Island Nuclear Plant Completion Code Compliance Summary - 4th Interval ISI - Code Edition - 1998, 2000 Addenda

Parcent Parc										1
Acc Noz Cladding 2 100% 2 2 100% 3 8 8 8 100% Acc Noz NRCIN9105 B 100% B 1	Cat	Itom No	Codo Cano	Population	•	•				Notas
ACC NOZ Cladding 2 100% 2 2 2 100% ACC NOZ NRCINS105 8 100% 8 8 6 100% ACC NOZ NRCINS105 8 100% 8 8 8 100% Accumulator nozzles every third outsige under GMP ACC-001. Total:	Cat.	item No.	Coue case	гориацоп	interval	IIILEIVAI	Total Sched	Date.	Date.	1.000
ACC NOZ Cladding									1	Accumulator pozzilos ounos elected examination. Passed on site OE of both cizading and
ACC NOZ RCIN9105 8 100% 2 2 2 100% Accomplant of the cladding and nozzles every third outage under GMP ACC-001. Recipion RCIN9105 8 100% 8 8 8 100% Accomplant of the cladding and nozzles owner elected examination. Recipion R									Ì	
Total:	ACC NOZ	Cladding		2	100%	2	2	2		
B-A B1.11 3 100% 3 3 0 0 0% B-A B1.21 1 100% 1 1 0 0 0% Total: 5 100% 2 0 2 100% B-B B2.12 2 100% 2 0 2 100% B-B B2.40 2 50% 1 0 1 100% B-B B2.60 RR-4-2 3 50% 1 0 1 100% B-B B3.100 6 100% 6 6 0 0 0% B-D B3.140 4 100% 5 0 5 100% B-D B3.140 4 100% 6 6 0 0 0% B-D B3.140 4 100% 6 6 0 0 0% B-D B3.140 4 100% 6 6 0 0 0% B-B B3.150 RR-4-2 6 100% 6 6 0 0 0% B-B B3.150 RR-4-2 6 100% 6 6 0 0 0% B-B B3.150 RR-4-2 6 100% 6 6 0 0 0% B-B B3.150 RR-4-2 6 100% 6 6 0 0 0% B-B B3.150 RR-4-2 6 100% 6 6 0 0 0% B-B B3.150 RR-4-2 6 100% 6 6 0 0 0% B-B B3.150 RR-4-2 6 100% 6 6 0 0 0% B-B B3.150 RR-4-2 6 100% 6 6 0 0 0% B-B B3.150 RR-4-2 6 100% 6 6 0 0 0% B-B B3.150 RR-4-2 6 100% 6 6 0 0 0% B-B B3.150 RR-4-2 6 100% 6 0 0 0% B-B B3.150 RR-4-2 6 100% 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ACC NOZ			-		-	-	•		Accumulator nozzles owner elected examination.
B-A B1.21 1 100% 1 1 0 0% 0% 1 1 0 0% 0%	Total:		. The service is deal to be serviced in	10.5	THE RESERVE OF THE PARTY OF THE	10	10.7	10	100%	
B-A B1.21 1 100% 1 1 0 0% 0% 1 1 0 0% 0%										
B-A B1.30 N-B23 1 100% 1 1 0 0% RV shell to flange weld. Deferral to end of interval allowed per N-B23	B-A	B1.11		3	100%	3	3	0	0%	RV shell circ welds. Deferral to end of interval allowed per IWB-2500-1
Total:	B-A	B1.21		1	100%	1	1	0	0%	RV bottom head weld. Deferral to end of interval allowed per IWB-2500-1
B-6 B2.11	B-A	B1.30		11		1	1			RV shell to flange weld. Deferral to end of interval allowed per N-623
B-B B2.12 2 100% 2 0 2 100% B-B B2.40 2 50% 1 0 1 100% B-B B2.60 RR-4-2 3 3 100% 6 6 0 0 0 0 0 1 100% Class 1 tubesheet to head. One of each similar vessel. Class 1 tubesheet to head HX. VT-2 each outage per RR-4-2. Not included in count.	Total:		the transfer of a	5 (2)		5 1	5	0	0%	
B-B B2.12 2 100% 2 0 2 100% B-B B2.40 2 50% 1 0 1 100% B-B B2.60 RR-4-2 3 3 100% 6 6 0 0 0 0 0 1 100% Class 1 tubesheet to head. One of each similar vessel. Class 1 tubesheet to head HX. VT-2 each outage per RR-4-2. Not included in count.										
B-B B2.40 RR-4-2 3 Total: 9. 55 00 5 100% B-D B3.100 6 100% 6 6 6 0 0% B-D B3.120 5 100% 5 0 5 100% B-D B3.140 4 100% 4 2 2 5 50% B-D B3.160 RR-4-2 6 B-D B3.160 RR-4-2 6 B-D B3.90 6 100% 6 6 6 0 0 0% B-D B3.90 6 100% 6 6 6 0 0 0% B-D B3.90 7 0 100% 6 6 6 0 0 0% B-D B3.90 7 0 100% 6 6 6 0 0 0% B-D B3.90 7 0 100% 6 6 6 0 0 0% B-D B3.90 8 R4-2 6 0 0 0 0 0 0 0% B-D B3.90 8 R4-2 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B-6						0	-	1	1
B-B B2.60 RR-4-2 3 Class 1 tubesheet to head HX. VT-2 each outage per RR-4-2. Not included in count.	B-B	B2.12				2	0			· · · · · · · · · · · · · · · · · · ·
B-D B3.100 6 100% 6 6 0 0% RV nozzle inside radius. Deferral to end of interval allowed per IWB-2500-1				_	50%	1	0	1	100%	1-2
B-D B3.100 6 100% 6 6 0 0 0% Pressurizer nozzle full pen welds. B-D B3.140 4 100% 4 2 2 5 50% SG tubesheet to head. One of each similar vessel. B-D B3.90 6 100% 6 6 0 0 0% Vessel full pen nozzle welds. Deferral to end of interval allowed per iWB-2500-1 B-E B4.30 N-729-1 1 0 0 0 1 Total: B-G-1 B6.10 3 100% 3 1 2 67% RV nuts. Deferral to end of interval allowed per iWB-2500-1. Each component is a set of 16. Deferral to end of interval allowed per iWB-2500-1. Each component is a set of 24 RCP bolts. Only required when required by B-L-2.	B-B					rent of San territory sta		en e	andreway or start of	Class 1 tubesheet to head HX. VT-2 each outage per RR-4-2. Not included in count.
B-D B3.120 5 100% 5 0 5 100% 5 5 0 5 100% B-D B3.140 4 100% 4 2 2 2 50% SG tubesheet to head. One of each similar vessel. Class 1 HX full pen nozzles. VT-2 each outage per RR-4-2. Not included in count. Vessel full pen nozzle welds. Deferral to end of interval allowed per code case. B-E B4.30 N-729-1 1 0 0 0 1	Total:	Later Landing	ar a constant	9.00	are to the second and action	20 10 5 See La	was the Osternia	5	100%	
B-D B3.120 5 100% 5 0 5 100% 5 5 0 5 100% B-D B3.140 4 100% 4 2 2 2 50% SG tubesheet to head. One of each similar vessel. Class 1 HX full pen nozzles. VT-2 each outage per RR-4-2. Not included in count. Vessel full pen nozzle welds. Deferral to end of interval allowed per code case. B-E B4.30 N-729-1 1 0 0 0 1								•		
B-D B3.140 4 100% 4 2 2 5 50% SG tubesheet to head. One of each similar vessel. B-D B3.90 6 100% 6 6 6 0 0% Total: 27 21 14 27 33% B-E B4.30 N-729-1 1 0 0 0 1 Total: 1 1 1 0 0 0 1 B-G-1 B6.10 3 100% 3 1 2 67% RV nuts. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. B-G-1 B6.180 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				-			=	-	1	· ·
B-D B3.160 RR-4-2 6 B-D B3.90 6 100% 6 6 6 0 0% Vessel full pen nozzles. VT-2 each outage per RR-4-2. Not included in count. Vessel full pen nozzle welds. Deferral to end of interval allowed per code case. Class 1 HX full pen nozzles. VT-2 each outage per RR-4-2. Not included in count. Vessel full pen nozzle welds. Deferral to end of interval allowed per code case. Reactor Vessel Closure Head Bare Metal Examination. Augmented Examiantion required every 3rd outage. Not included in count. B-G-1 B6.10 3 100% 3 1 2 67% RV nuts. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. Only required when requir				-		•	-	•		· ·
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Total: 27 21 14 7 33% B-E B4.30 N-729-1 1 0 0 0 1 Total: 1 0 0 0 1 Total: 1 0 0 0 1 B-G-1 B6.10 3 100% 3 1 2 67% RV nuts. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. Only required when required by B-L-2.	- -		RR-4-2	-						* * *
B-E B4.30 N-729-1 1 0 0 0 1 Total: B-G-1 B6.10 3 100% 3 1 2 67% RV nuts. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. Only required when required by B-L-2.										Vessel full pen nozzle welds. Deferral to end of interval allowed per code case.
B-E B4.30 N-729-1 1 0 0 0 1 Total: B-G-1 B6.10 3 100% 3 1 2 67% RV nuts. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. Only required when required by B-L-2.	Total:		المراجع المراج المراجع المراجع المراج	27	The second control of	21	14	7.7	33%	
B-E B4.30 N-729-1 1 0 0 0 1 Total: B-G-1 B6.10 3 100% 3 1 2 67% RV nuts. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. Only required when required by B-L-2.										
B-G-1 B6.10 3 100% 3 1 2 67% RV nuts. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. B-G-1 B6.180 2 0 0 0 0 Only required when required by B-L-2.	D =	B4 30	N 720 1	4		0		4		
B-G-1 B6.10 3 100% 3 1 2 67% RV nuts. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. B-G-1 B6.180 2 0 0 0 0 Only required when required by B-L-2.	.,			1. 1.25 de mars de 3.	- No. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			language and the color	TO SECURE OF THE	every and dutage. Not motificated in count.
B-G-1 B6.180 2 0 0 0 0 Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. Only required when required by B-L-2.	1000.		at his profession of the second	e progression 1, 1, 1, 1, 1, 1, 1	24 (1944) A 1974 A 19 (1944)		3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7. 37.014 9. 3		- [
B-G-1 B6.180 2 0 0 0 0 Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. Only required when required by B-L-2.										
B-G-1 B6.180 2 0 0 0 Only required when required by B-L-2.	B-G-1	B6.10		3	100%	3	1	2	67%	RV nuts. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16.
B-G-1 B6.190 2 0 0 0 Flange surface only required when disassembled	B-G-1	B6.180		2		0	0	0		1 ' '
	B-G-1	B6.190		2		0	0	0	0	Flange surface only required when disassembled

								1	1
B-G-1	B6.30		3	100%	3	. 1	2		RV studs. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16. RV ligaments. Deferral to end of interval allowed per IWB-2500-1. Each component is a set
B-G-1	B6.40		1	100%	1	1	0	0%	of 48.
B-G-1	B6.50		3	100%	3	1	2	67%	RV washers. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16.
Total:	HOYTHIAN I	The property of the second sec	14		10:::7	4 7	6	60%	
	and write the second control of the second s								
B-G-2	B7.20		1	100%	1	0	1	1	Pressurizer studs.
B-G-2	B7.30		4	50%	2	0	2	100%	SG studs.
B-G - 2	B7.50		9				3	1	Flange bolting only if disassembled or bolting removed.
B-G-2	B7.60		4				1	-	Pump bolting only required when required by B-L-2
B-G-2	B7.70		18				7]	Valve bolting only required when required by B-M-2
Total:	1 1 1 1 7 8 7 7 98 1 A		36		(1) 3 3 2 3 1	0.7	14	100%	Total Percentage completed for B7.20 and B7.30. Other items NA.
To all the management								[
B-K	B10.10		6		2	1	1	50%	Vessel attachments only one attachment of one of multiple similar vessels.
B-K	B10.20		41	10%	5	0	5	100%	Pipe attachments.
Total:		Harry C. Santa & Box 1814 A. Harry C. Santa & Box 1815 A.	47,	The Marine State of the State o	7.2		6	86%	
11 PA 7 TA - 17 11 11 11 11 11									
B-L-1	B12.10		2	50%	1	1	0	0%	Pump casing welds limited to one pump in each group of similar pumps.
Total:		ing 1940 (1941)	2			in the second of the half we want to	/ \$ 0	0%	
			•					}	Pump casing limited to one pump in each group of similar pumps. Only required when
B-L-2	B12.20		2	50%	1	0	0		disassembled.
Total:	إدا ^{العا} رة أن	enter and	2	er of the Secretary of the second secretary second	1/4	0	5 20 14 NO. 2 5 NO. 1	Think of technique regressive a comment of production of	·
								[
2.1.0	D. C. C.		4	000/			•	ļ	Natura hash interior limited to one curior in each group. Only required when disposantialed
B-M-2	B12.50	an । स्टब्स्य अन्य संस्थानसम्बद्धाः	17	36%	অনুস্থানক প্ৰকাশ	1 Teartare 17 75	3 (4) (1 3 2) (1	1 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Valve body interior limited to one valve in each group. Only required when disassembled.
Total:		7.	< 311/ Fre	CONTRACTOR OF THE PROPERTY OF	The state of the s	334 33 15 934	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13.3 6 (21.2 4) 7 7	
D N d	040.40		1	2008/	4	4	2		RV interior all accessible areas to be examined once each period.
B-N-1	B13.10	T 17 T T T 19675 6 L	•	300%	1	1 Tan adeleg elektron	2 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2	77775478337	RV interior all accessible areas to be examined ordereach period.
Total:	The state of the s		On a Office	18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a kry (k Trigary)	\$0.89 miles [5.75 m."	<u> </u>	PARTICIES.	
n. 11. 6	D40 F0			4000/			•	0%	Bit into rice attachments helding. Defected to and of interval allowed per NAP 2500 1
B-N-2	B13.50		1	100%	1	1	0	0%	RV interior attachments beltline. Deferral to end of interval allowed per IWB-2500-1
B-N-2	B13.60		1	100%	1	1	0	0%	RV interior attachments not beltiine. Deferral to end of interval allowed per IWB-2500-1
Total;	**************************************	AND THE RESTAURT	2 .7	建筑物料	22	2	0	0%	
	ساله فالأد المسائد الله المسائد			والمحاصفات الموجود المسائل والباطعة المالية	والمتناء والمتناء والمتناء والمتناء	مناه كالمائدة عالم المحافظ المعالم الم	سيسته فللمت فأسبيا أميته يتبدأ		
B-N-3	B13.70		1	100%	1	1	0	0%	Core support structure. Deferral to end of interval allowed per IWB-2500-1
Total:		The state of the s	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		1800105F	16 1 h - 11 1 2 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1		0%	
	بالمناهب مناه المناشقة المراجعين م	الانتخاب مناه بين المنتخاب المنتخب المن	and the control of	فره المرابع والمناطق المناطق ا		أسقاه الإلى المهيدة ويشهاران وماها المالي ويسمهوري بيرون عو	مقعنا المتحدث والمتحدث والمتحدث والمتحدث		
								1	Control rod welds. 20 peripheral CRDMs with 2 welds each. All welds had preservice exam
в-О	B14.10		40	10%	4	0	4	100%	as part of new RV head Deferral allowed per IWB-2412(a)3
Total:	. [20],[40]	ag tata Maga	40 🗀	gant de die delta des reseptions de Anna Comment de des des de de	4. (4.	(C) 0	4 ;	100%	
	.,								

В-Р	B15.00		2	600%	12	2	10		Two pressure test procedures each outage.
Total:			2		12	7 4 4 4 2 2 3 1 4 1 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1. 10	E STATE OF THE	
B-Q	B16.20		2	0%	0	0	0	0%	SG tubing per Technical Requirements Manual
Total:	1.54.65		2		. 0	0. 73		0%	
				·					
2 .				5001	4	1	0	750/	Welds at gross structural discontinuity only. The examinations are limited to one vessel
C-A C-A	C1.10 C1.20		8 4	50% 50%	4 2	1	3 1	75% 50%	among a group of vessels of similar design, size, and service. Head circ welds.
C-A C-A	C1.20		2	50%	1	1	0	0%	Tubesheet to shell welds.
Total:	may a programme to the	March March Street College Street		Mark Street Stre		4. 2 1 0 0 0 3 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0		57%	Tupeshed to show welds.
	ريده داهستوريان ويوسده ديد	Transfer of the second of the second		كسخية مقبل بشائس فلين فلينافيه فالإفراد	والمستناد والمستناد والمستناد	لىنىدىنىنىكىكىدىن سىنىدى	كندك المستسلس		
C-B	C2.21		4	50%	2	o	2	100%	Nozzie to shell
C-B	C2.22		4	50%	2	0	2	100%	Nozzle inside radius
C-B	C2.31		4	50%	2	1	1	50%	Reinforcing plates.
Total:	5.0000000	end applied to all those	502.12:33		6	A THEORY	. 5	84%	
		and the second section of the second second							
C-C	C3.10		4	50%	2	0	2	100%	Vessel attachment welds. One of similar vessels.
C-C	C3.20		99	10%	10	1	9	90%	Piping weld attachments
C-C	C3.30		16	10%	2	0	2	100%	Pump weld attachments
C-C	C3.40		2	10%	1	1	0	0%	Valve weld attachments
·Total:			121 (a translation of the state of t	15	2. 2	/*: 13· · · · ·	87%	
C-H	C7.00	Multiple	12	300%	36	6	30		Class 2 pressure tests completed once each period Some completed after outage.
Total:	يتنشطه للاستنسست	The second second second	. 12	nami kang panggangan penggangan at melanggan 19 - Panggangan panggan penggangan penggan panggan panggan panggan penggan penggan panggan penggan penggan pen 19 - Panggangan penggangan penggan pen	36 🐪	6.5	/30	FFWW.	
								}	Pressure Vessel Welded Attachments. For multiple vessels of similar design and service only
D-A	D1.10		8	50%	4	0	4	100%	Ithe welds of one vessel need be selected for examination.
D-A	D1.20		96	10%	10	1	9	I	Piping Welded Attachments
Total:			104		14		72 13	93%	
***************************************	and the same about the same of	ن الله الله الله الله الله الله الله الل		<u>Listing i i group helper y de Norddfffeygrapige</u> s allen bronz		Alas a carte at plates are an in the spirit as an in-		المستنف المالية	
D-B	D2.10	Multiple	4	300%	12	8	4		Class 3 pressure tests completed once each period. Some completed after outage.
Total:		e en e tidores seu la segui segui. Para e e en en en entre se en	4.7	and the state of t	12	3.25 (8 () () ()	4		
F-A	F1.10a		70	25%	18	3	15	83%	Class 1 pipe supports one direction
F-A	F1.10b		76	25%	19	3	16	84%	Class 1 pipe supports multidirection
F-A	F1.10c		65	25%	17	5	12	71%	Class 1 pipe supports thermal movement (springs).
F-A	F1.20a		118	15%	18	2	16	89%	Class 2 pipe supports one direction
F-A	F1.20b		81	15%	13	2	11	85%	Class 2 pipe supports multidirection
F-A	F1.20c		61	15%	10	1	9	90%	Class 2 pipe supports thermal movement (springs).
F-A	F1.30a		174	10%	18	1	17	94%	Class 3 pipe supports one direction
F-A	F1.30b		203	10%	21	3	18	86%	Class 3 pipe supports multidirection
F-A	F1.30c		49	10%	5	0	5	100%	Class 3 pipe supports thermal movement (springs).

	54.40	77.4		37	2	38	100%	Other supportsClass 1,2,3, MC Supports, other than piping sumultiple components are requi
F-A	F1.40	74	FUEDWINE BOX		3			inditible combonents are redui
i olai.	<u>া বিভাগ কৰিব কিবিটাল বিভাগ কৰিব কিবিটা</u>	S Park Brank (SAM) AREA		4)		- Fair IOL 1 121	14 67 4000 70 64	<u>.</u>
					•		1	A commitment was made to in
								ultrasonic examination at a fre
FWTOSG	NRCIN9320	12		12	3	13	100%	other refueling outage.
Total:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20		6 / 6	4 4	2	100%	
								1
R-A	R1.11-2	85	25%	21	0	21	100%	RI-ISI Thermal fatigue high risi
R-A	R1.11-5	48	10%	5	1	5	100%	RI-ISI Thermal fatigue medium
R-A	R1.15-2	2	25%	1	0	1	100%	PWSSC high risk (pressurizer
R-A	R1.16-2	4	25%	1	1	1	100%	SCC high risk
R-A	R1.16-5	4	10%	1	0	1	100%	SCC medium risk
R-A	R1.19-5	4	10%	1	0	1	100%	ECSCC medium risk
R-A	R1.20-4	782	10%	78	0	80	100%	Not subject to damage mediur
R-A	R1.20-6	696	0%	0	0	0	100%	Not subject to damage low risk
R-A	R1.20-7	33	0%	0	0	0	100%	Not subject to damage low risl
Total:		1658		108	3 2	106;	100%	File (Se

MC. Visual VT-3 examination of 100% of all non-exempt supports. For multiple components, the supports of only one of the quired to be examined.

inspect the feedwater nozzie to pipe transition forging welds using frequency of one nozzie per refueling outage or both nozzies every

Section 4. IWE Examinations (6 pages attached)

The following table summarizes the IWE inspections performed in cycle 26. Inspections are listed by class, category and site summary number. The second IWE interval, September 10, 2008 through September 9, 2018, is based on the examination requirements of the 2001 Edition with 2003 Addenda of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code Section XI with limitations and modifications as required by Title 10 of the Code of Federal Regulation, Part 50.55a. As such, there is only one category (E-A) and two item numbers (E1.11 and E1.30) in scope for the second IWE period (1/10/12 – 5/11/15). There are currently no surfaces requiring augmented examination under category E-C. There were no relevant indications in the second period examination. The number and percentage of examinations or tests completed are included in this section as required by IWA-6220(f).

This section includes an evaluation of inaccessible areas as required by 10CFR50.55a(b)(2)(ix)(A) to address indication of refueling cavity leakage in contact with the steel containment vessel (AR1332452).

Prairie Island Nuclear Plant

Unit 2 Fuel Cycle 26, 05/26/2010 to 05/29/2012

Inservice Inspection Report

IWE Interval 2, Period 2, Outage 1 (2R27)

1. Owner: Xcel Energy

4. Owner Certificate of Authorization (If Req.):

- 2. Plant: Prairie Island Nuclear Generating Plant
- 3. Plant Unit: 2

- 5. Commercial Service Date: 12/21/1974
- 6. National Board Number for Unit: N/A

Examinations Performed Fuel Cycle 26

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
Class IWE	Category E-A	•							
600660	Containment	Primary Containment	E1.11	FP-PE-NDE-540	VT / 2012V074 / NAD	PC		2/23/2012	ISI
600691	Primary Containment Bolting	Bolted Connections	E1.11	FP-PE-NDE-540	VT / 2012V075 / NAD	PC		2/23/2012	lSi
600441	Primary Containment Moisure Barrier	Moisture Barrier	E1.30	FP-PE-NDE-540) VT/2012V073/NAD	PC		4/23/2012	PSI

IWE Completion Code Compliance Summary - Second Interval ISI Code Edition - 2001 Edition, 2003 Addenda

Cat.	ltem No.	Summary No.	Comp Desc.	Population	Percent Required	Total Required for Interval	Total Sched	Total Comp. To Date	Cumm %	Notes	·;
E-A	E1.11	600660	Primary Containment	1		3	1	2			
										Surface areas	
E-A	E1.11	600691	Primary Containment Bolted Connections	1		3	1	2		100% each period.	
Total:			atternation (Photography	A William Cont.	经验证	TO A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.5	4 4 2 3	67% A	75 o	
E-A Total:	E1.30	600441	Moisture Barrier	1		3 23-40)	2 (3-3-12)	1	**************************************	Moisture Barriers 100% each period.	
										Areas requiring Augmented	

Inaccessible Areas Evaluation 50.55a(b)(2)(ix)(A)

The Code of Federal Regulations, Title 10, Part 50.55a(b)(2)(ix)(A) states: "For Class MC applications, the licensee shall evaluate the acceptability of inaccessible areas when conditions exist in accessible areas that could indicate the presence of or result in degradation to such inaccessible areas. For each inaccessible area identified, the licensee shall provide the following in the ISI Summary Report as required by IWA-6000: (1) A description of the type and estimated extent of degradation, and the conditions that led to the degradation; (2) An evaluation of each area, and the result of the evaluation, and; (3) A description of necessary corrective actions."

Refuel cavity leakage in 2R27 (cycle 26) resulted in water in contact with the containment vessel. Level instrumentation showed leakage into the containment RHR suction sump indicating refueling water in contact with the containment vessel. There was also water observed in contact with the containment vessel when concrete was excavaged in the reactor vessel sump to facilitate VT and UT examination of the containment vessel (AR 01337188). These indicaitons of leakage are considered a condition in an accessible area that could indicate the presence of or result in degradation of inaccessible areas. As such, this evaluation is included in the ISI summary report as required by 10CFR50.55a(b)(2)(ix)(A).

1. A description of the type and estimated extent of degradation, and the conditions that led to the degradation.

The site believes there is no significant degradation of the steel containment vessel, the containment concrete, or steel concrete reinforcing bar. In December of 1998 Automated Engineering Services Corp (AES) performed an evaluation titled "Evaluation of the Effects of Borated Water Leaks on Concrete, Reinforcing Bars, and Carbon Steel Plate of the Containment Vessel". The evaluation concluded that the effect of borated water leaks on the structural materials in containment (concrete, reinforcing bars, and containment shell plate material) is in the worst case minimal and does not affect the capability of the structure to perform its intended function. In addition to the evaluation. a section of concrete was removed from the RHR sump in 1998 to allow direct examination of the steel containment vessel. This examination showed no indication of corrosion or pitting. The 1998 evaluation was reviewed by AES in 2R24 to account for leakage experienced from 1998 to the fall of 2006. This review determined that "The basis and conclusions developed in the Reference 1 report are still valid and in my opinion the integrity of the structural components (concrete, rebar and containment shell) are not compromised." In 2R25 (fall of 2008) a section of concrete was again removed from the RHR sump to allow direct visual examination of the containment vessel and UT thickness readings of a known wetted area. The vessel showed no visual indication of corrosion and all thickness readings were above the nominal plate thickness. It is believed the RHR sump location would be the most susceptible to corrosion as it has the most frequent history of wetting and is in close proximity to the concrete surface allowing greater oxygen exposure. A lack of significant corrosion in the RHR sump provides a high level of confidence there is no significant corrosion in other areas of the containment vessel. In addition, approximately an 18' x 2' area of the lowest accessible containment vessel plates were UT scanned with all readings above the nominal plate thickness. In March of 2009 Dominion Engineering performed an independent evaluation titled "Evaluation of Effect of Borated Water Leaks on Concrete, Reinforcing Bars, and Carbon Steel Plate of the Containment Vessels at Prairie Island Units 1 and

Inaccessible Areas Evaluation 50.55a(b)(2)(ix)(A)

2". Consistent with the previous AES evaluation, this evaluation also concluded that degradation of the containment vessels would likely be minimal.

In 1R27 (spring 2011) and 2R27 (sring 2012) concrete was excavated from the unit 1 and unit 2 reactor vessel sumps to allow direct visual inspection and ultrasonic thickness measurement of the containment vessels. The unit 2 excavation showed wetness believed to be from leakage of the segmented seal between the refueling cavity floor and the reactor vessel. In both cases, the containment vessels showed no visual evidence of degradation with actual thickness readings above the nominal 1.5" design thickness.

Based on the results of the 1998, 2006 and 2009 professional engineering evaluations indicating no detrimental effects of refuel cavity leakage on the containment vessel, and recent visual and thickness examinations of the containment vessels of both units showing no degradation, there is a high level of confidence of no significant degradation of the unit 2 containment vessel.

The condition that could indicate the presence of or result in degradation is refueling cavity leakage that has resulted in borated water coming in contact with the steel containment vessel. Refueling cavity leakage into the unit 2 RHR sump was noted in 2R24 (fall of 2006), in 2R25 (fall of 2008), 2R26 (spring of 2010) and 2R27 (spring 2012). In all cases there was indication of leakage entering the RHR sump through the concrete at the containment vessel near the RH suction lines. In 2R27 leakage was also observed in the concrete excavation of the reactor vessel sump (AR01337188). The 2R24, 2R25, and initial leakage rate in 2R26 was approximately 1 gallon per hour (gph). Leakage in 2R26 spontaneously reduced to 0.02 gph approximately three days after pool flood. It is believed the initial leakage in 2R26 was the result of refueling cavity sandplug cover leakage that spontaneously decreased as the weight of the refueling water seated the cover. In 2R27 no significant leakage was indicated until 17 days after initial pool flood following a drain down and refill of the pool. It is believed the leakage developed at the segmented seal between the refueling pool floor and the reactor vessel as a result of changing pool level. Leakage has been experienced in previous outages on both units with documentation dating back to at least 1998. In addition to the RHR sump, past outages have shown leakage at other locations such as the regenerative heat exchanger room, nuclear instrument electrical penetrations and the floor near the reactor coolant drain tank.

2. An evaluation of the area, and the result of the evaluation.

As noted above, in December of 1998 Automated Engineering Services Corp (AES) performed an evaluation titled "Evaluation of the Effects of Borated Water Leaks on Concrete, Reinforcing Bars, and Carbon Steel Plate of the Containment Vessel". Following are pertinent excerpts from that evaluation.

EFFECT OF BORATED WATER LEAKS ON CONCRETE

Many studies have been conducted on the effect of acid rain on concrete. Laboratory studies have been conducted [Ref. 1,2] utilizing accelerated test program for effects of sulfuric acid solutions with pH ranging from 2 to 5 for periods ranging from 30 days to 100 days. Concrete samples with strengths varying from 3000 psi to 9000 psi were studied. The studies revealed the surface deterioration of the concrete increased as the

Inaccessible Areas Evaluation 50.55a(b)(2)(ix)(A)

strengths increased due to the higher cement content in stronger concrete samples. It also increased with increasing acidity of the solution.

However the corrosive effect of borated water (boric acid) is less than that of sulfuric acid at the same acidity levels. Reference 3 shows that boric acid has negligible effect on concrete whereas the same reference indicates that sulfuric acid will rapidly disintegrate concrete. Discussions with Portland Cement Association (Mr. Robert Shuldes) confirmed that the effect of borated water will have negligible effects on concrete especially since the surface is wetted only for a short time duration (about 15 days every outage). The lack of deterioration of the concrete surfaces where white deposits were seen further reinforces the observation that borated water does not have any appreciable effect on concrete.

Based on the above, we can safely conclude that the internal concrete surfaces at the construction joints and in the flow paths of the leaks would not have any deterioration. There is no safety significance of the borated water leaks on the concrete surfaces since the concrete structure would not have deteroriated and should be capable of performing its intended function.

EFFECT OF BORATED WATER LEAKS ON REINFORCING BARS

Since the borated water does not affect the concrete surface, the reinforcing bars would be fully protected inside the concrete. Note that the chloride content of the leaking water is small and will have no effect on the reinforcing bars. Also there is no evidence that the concrete surfaces have cracked thereby providing a path to the seepage of acidic water directly to the reinforcing bars. The likelyhood of any corrosion of the reinforcing bars in this situation is very remote.

Based on this observation, there is no reason to suspect the corrosion of the reinforcing bars. Therefore, the strength of the reinforced concrete material is not compromised by the borated water leaks.

EFFECT OF BORATED WATER LEAKS ON THE CONTAINMENT SHELL PLATE MATERIAL

It is known in the nuclear industry that borated water in the form of boric acid can be corrosive to components fabricated from carbon and low alloy steels [Ref. 4]. However, most of the studies conducted involved reactor coolant at high concentration (13,000-15,000 PPM of boron with small amounts of lithium) and at high temperatures (>200°F). Reference 4 concludes that the maximum corrosion rates occurred where moisture can be replenished by a flowing solution, keeping a wet/dry interface between the solution and the dry boric acid crystals. It was also seen that when the boric acid dries out and is not significantly re-wetted, the corrosion levels are much lower.

Inaccessible Areas Evaluation 50.55a(b)(2)(ix)(A)

As a precaution, NSP removed a portion of the grout material adhering to the steel plate around the pipe sleeve in the Sump B. The exposed steel surface did not show any signs of corrosion or surface pitting. This provides strong evidence that the boric acid solution was weak enough and was not constantly wetted for a long enough period of time to cause any deterioration of the steel plate surface. The same argument can be extended to other plate surfaces which are not exposed and which may be in the leak paths.

Based on the above, it is believed that the containment shell is not affected by the observed leaks and has the capability to perform its intended fuction.

The evaluation quoted above was reviewed by Automated Engineering Services Corp in December of 2006 in response to the leakage observed in 2R24. The review determined that the basis and conclusions developed in the earlier report were still valid and the integrity of the structural components (concrete, rebar and containment shell) was not compromised.

An independent evaluation was performed by Dominion Engineering in March of 2009. The Dominion evaluation was consistent with the previous AES evaluations indicating minimal degradation. Following are the conclusions of that evaluation:

- Because of the buffering effect of alkalinity from the concrete, the pH of
 the water in continuously wetted areas between the concrete and lower
 dome of the steel containment vessel is expected to have been in a
 range that inhibited corrosion of the steel, e.g., over about pH 12.5. As a
 result, it is expected that, as a best estimate, the maximum amount of
 corrosion that has actually been experienced in the wetted areas
 between the concrete and the inside surface of the steel containment
 vessel is insignificant, no more than a few mils (e.g., < 10 mils).
- While it seems unlikely, the possibility cannot be completely ruled out that the pH of the water in contact with the steel containment vessel could have been at the near neutral values that have been measured in Sump B. Analysis of this case, assuming continuous wetting of an aerated neutral pH region for the full 36 years of operation, leads to an upper limit estimate of about 0.25 inch of corrosion. It needs to be understood that this estimate is conservative since it is unlikely the pH has been at such a low level, and since it is unlikely that the aerated region at the water line has remained in the same area, such that the accumulated time duration of exposure at any one elevation is much less than 36 years.
- Thinning of the upper limit amount of 0.25 inch poses no risk of leakage under normal or accident conditions since the wall thickness is 1.5 inches.

Inaccessible Areas Evaluation 50.55a(b)(2)(ix)(A)

• Preliminary evaluation of the effects of thinning at the upper limit amount of 0.25 inch is that it will not result in excessive stresses or strains under accident conditions. This is a result of the bending stresses and hoop stresses in the possibly thinned area at the lower knuckle region of the steel containment vessel being essentially eliminated by the support provided by the reinforced concrete on both the ID and OD of the steel containment vessel in the knuckle region. Support for this conclusion is provided by limit load analyses of steel containment vessels that have shown that, even for steel containment vessels with 65% of wall loss for significant parts of their circumference (about 13 feet), the failure pressure is still over four times the accident design pressure (Table 2 in [22]). However, it needs to be understood that any actually detected thinned areas would need to be formally reviewed and accepted per Section XI of the ASME Code, and not per the above preliminary evaluation.

3. A description of necessary corrective actions.

The site has taken several actions to prevent leakage since 1998 including caulking refuel cavity leakage points prior to pool flood and the use of a spray-on strippable liner. In addition, a section of concrete was removed from the RHR sump the fall 2008 2R25 outage (WO00327768) to allow direct visual inspeciton of the steel containment vessel to assure no significant degradation. In recent outages the site has seal welded suspected leakage points at the internals stands and Rod Control Cluster Change Fixtures of both units. The site has also excavated the reactor sumps of both units to allow direct examinaiton of the containment vessels and has extracted core samples of the refueling cavity floor of both units. The welded repairs have significantly reduced leakage on both units. The site continues to pursue complete leakage mitigation and continues to inspect for degradation. The site has made several commitments to mitigate leakage and monitor for degradation in conjunciton with the License Renewal process as listed in AR 0116372.

In summary, the site has a high level of confidence there is no significant degradation of the containment vessel or associated structures based on evaluation and examinaitons. The site continues to take actions to prevent future leakage and continues to perform examinations of the containment vessel to assure no significant degradation.

Section 5. Pressure Tests 2 pages

The following pressure tests were conducted during Unit 2 cycle 26 and credited to the second period. All indications were evaluated and corrective measures performed as required by IWA-5250, IWB-3142 and IWC-3132.

Coc	le Class	Pressure Tests Unit 2	Cycle 26	Second Pe	eriod
System	Cat.	Procedure	WO#	Comp.	Indications
Main Steam	С-Н	SP 2168.11 Main Steam	378903	09/13/10	No relevant indications
Containment Spray	C-H	SP 2168.14 Containment Spray System Pressure Test	389516	08/20/10	No relevant indications
Volume Control	С-Н	SP 2168.16 Chemical Volume Control System	378906	12/07/11	No relevant indications
CV, RH, CS	C-H	SP 2168.25 Aux Building Trench	378911	03/25/11	No relevant indications

The following pressure tests were conducted during Unit 2 cycle 26 and are credited to the third period. All indications were evaluated and corrective measures performed as required by IWA-5250, IWB-3142 and IWC-3132.

Code Class Pressure Tests Unit 2 Cycle 26 Third Period								
System	Cat.	Procedure	WO#	Comp.	Indications			
Reactor Coolant	В-Р	SP 2070 Reactor Coolant System Integrity Test	409632	05/26/12	Relevant indication evaluated and found acceptable for continued service AR 1332189.			
Comp Cooling	D-B	SP 2168.4 Component Cooling Class 3	420369	05/24/12	No relevant indications			
Comp Cooling	С-Н	SP 2168.4A Component Cooling Class 2	415362	04/23/12	No relevant indications			
Aux Feed	C-H	SP 2168.6 Auxiliary Feedwater	420371	In Prog.				
Cooling Water	<u> </u>		417533	05/24/12	No relevant indications			

Cooling Water	D-B	SP 2168.8 Cooling Water to FCU's. Class 3	417533	05/24/12	No relevant indications
Residual Heat Removal	C-H	SP 2168.10 RHR System	381759	05/20/12	Relevant indications evaluated and found acceptable for continued service AR's 1338369, 1338370, 1338384, 1324616, 1337667, 1338362.
Safety Injection	С-Н	SP 2168.13 Safety Injection System	381211	In Prog.	
Post LOCA Hydrogen	С-Н	SP 2168.15 Post LOCA H2 Control System	442640	05/03/12	No relevant indications
RC, SI, VC, RH, CS, SF	в-Р, С-Н	SP 2392 Unit 2 Insulated Bolted Connection Inspection	409638	05/01/2012	Relevant indications evaluated and found acceptable for continued service AR's 1328653, 1332189.

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Section 6. Snubber Inservice Testing and Preservice Examinations 1 page

There were a total of 21 snubbers functionally tested in 2R27. All testing was completed satisfactorily. Seventeen of the twenty-one were Basic-PSA hydraulic snubbers, these snubbers had spares rebuilt and tested SAT prior to installation. The Basic-PSA snubbers that were removed were tested in the as found condition and all were also SAT. There was one ITT Grinnel snubber that was tested SAT and re-installed. One Paul Monroe snubber was functionally tested SAT and re-installed. Finally two steam generator valve blocks were replaced with re-built spares, all pre-install testing of the rebuilt and the as found testing of removed valve blocks was SAT. There was no scope expansion due to failed testing of the sample population during 2R27. Some of the testing was performed by a Basic-PSA field representative, with most tests performed by in-house maintenance after Basic-PSA field rep departure (due to outage expansion).

The visual inspections for SP 2171 and TP 2535 were performed by LMT. There was no scope expansions due to conditions found on these inspections. The snubbers that were inaccessible were not inspected. All cylinders had hydraulic fluid and any deficiencies noted during the visual inspections were inspected by the Snubber Engineer. Six Action Requests were initiated as a result of visual inspection deficiencies and those action requests were resolved prior to leaving Mode 4. Any leakage identified was attributed to fluid from overfull reservoirs and thermal movement. Those snubbers identified during the inspections with no movement or rotation, were inspected by the snubber engineer and those that were accessible, rotation and movement was evaluated and no snubbers were found to be locked up.

CAP 01326232

CAP 01328722

CAP 01330802

CAP 01331002

CAP 01331520

CAP 01334088

Section 7. Steam Generator Eddy Current Examination Results.

Examination Category **B-Q**, Steam Generator Tubing, is reported separately per the requirements of the Plant Technical Specifications.

Section 8. Repair/Replacement Activities for Cycle 26 (72 pages attached)

36 NIS-2 forms are attached which identify Prairie Island Unit 2 Repair/ Replacement Activities during fuel cycle 26, 4th ISI Interval. The gaps in item number sequence are due to cancelled or unfinished R/R activities.

Item#	WO, EEC, MOD #s	Description of Work Completed	SYSTEM	Code Class
2-26-002	405456-01, IEE 2010- 057	Replace desurger cap screws.	VC	2
2-26-004	404147-01	Replaced the mechanical seal gland plate.	VC	2
	405904-01, EEC-1554	Replaced bonnet assembly.	VC	2
2-26-007	417817-02	Replaced packing assemblies.	VC	2
2-26-008	415821-01	Rebuilt spare charging pump packing assemblies.	VC	2
	434447-01	Replaced trim including the main and inner plugs.	MS	2
2-26-014	431417-01	Replaced packing assemblies.	VC	2
2-26-015	429773-01	Replaced packing assemblies.	VC	2
	411121-01, EC-15389	Replaced mechanical seals with new cartridge type seals with integral gland plate.	CC	3
2-26-017	418558-01	Replaced valve block.	SG	1
2-26-018	410183-01	Replaced internal trim including the plug.	'	3
2-26-020	371272-01	Replaced bonnet and bonnet fasteners.	AF	3
2-26-022	424867-01	Rebuilt spare charging pump packing assemblies.	VC	2
2-26-023	108895-01	Replaced body to bonnet fasteners.	SI	2
2 - 26-025	110616-05	Replaced the valve and flange bolting.	CL	3
2-26-026	395532-01	Replaced disc.	AF	2
2-26-027	418559-01	Replaced valve block.	SG	1
2-26-028	443354-01	Replaced anchor bolt.	SI	2
2-26-031	446435-01	Replaced packing assemblies.	VC	2
2-26-032	414266-01, EEC-1472	Replace valves and associated piping.	ZH	3
2-26-033	443403-01	Rebuilt spare charging pump packing assemblies.	VC	2
	371691-01	Replaced disc.	AF	2
***	308073-01	Replaced spring can upper rod.	VC	1
2-26-041	157621-01, EC-19365, EC-19855	Replaced Valve and flange fasteners as well as the block plate fasteners.	RH	2
	411469-01	Replaced the valve disc and one body to cover fastener set.	MS	2
2-26-043	406127-01	Replaced valve disc.	RH	2

Item#	√WO, EEC, MOD #s	Description of Work Completed	SYSTEM	Code Class
2-26-044	374924-23, 374918-05	hot leg stud holes 4, 6, 7, and 14 on the 21 SG and the fastener sets for stud holes 3 (cold leg) and 9 (hot leg) on the 22 SG.	SG	1
2-26-046	418544-01	Replaced anchor nuts.	SB	2
2-26-047	454221-05, EC-19795	Install high point vent to remove non-condensable gases from the RCS. Increased the line and valve size to 1" and added new support.	RC	1
2-26-048	367903-01	Replaced several cover or flange studs and nuts.	CC	3
2-26-049	418547-01	Replaced snubber bolted connection with pinned connection.	VC	2
2-26-050	455253-01	Properly contoured the support to allow adequate clearance between pipe and support structural member.	CC	2
2-26-051	419873-04	Replaced the pump cover and mechanical seal gland plate	RH	2
2-26-052	446217-01	Replaced Valve	CL	3
2-26-053	460147-01	Replaced flange fasteners.	CL	2
2-26-054	460351-06	Cut out and rewelded canopy seal on valve to facilitate internal inspection and trim replacement.	RC	1

ITEM 2-26-002 Owner Xcel Energy, NSP-M Nuclear Department 7/1/2010 Date Name Prairie Island Nuclear Generating Plant Plant Sheet 2 Name 1717 Wakonade Dr. E, Welch Minnesota 55089 405456-01, IEE 2010-057 Address Repair Organization P.O. No., Job No., etc Work Performed by Owner Type Code Symbol Stamp N/A Name Authorization N/A Same N/A **Expiration Date** Address Identification of System Code Class (a) Applicable Construction Code B18.3 1969 Edition/Addenda n/a Addenda Code Cases n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Component Name Manufacturer Manufacturer Nat'l Bd # Other ID Yr Built Corrected, ASME Name Serial # Removed, or Code Installed Stamp 23 CHG PMP DISCH HYD EATON 3139-7 262-393 Corrected DESURGER Description of Work Replace desurger cap screws. Hydrostatic 🗀 Nominal Operating Pressure

Exempt Tests conducted: Pneumatic | ۰F Other [Pressure Test Temp. Other: n/a

9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization V/A Expiration Date
Signed , ASME Program Engineer Date ////o ,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
·
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected
the components described in this Owner's Report during the period <u>24MAYIV</u> to <u>19JULID</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions md 21924
Commissions ml 21924 Unspector's Signature Commissions Mational Board, Province and Endorsements
Inspector's Signature National Board, Province and Endorsements
Inspector's Signature National Board, Province and Endorsements

ITEM 2-26-004

1.	Owner Xcel Energy, NSP-M Nuclear Department					Date 12/1/	/2010			
2.	Plant	Prairie Island Nuc	lear Ge	Name nerating Plant		Sheet	1	of	2	
		1717 Wakonade D	or. E, W	Name /elch Minnesota 550	089	404147-01				
3.	Work Per	rformed by Owne	-	Address			oair Organizati ymbol Stamp	on P.O. No N/A	o., Job No., etc	
		. Sami		Name		Authorization	•	N/A		
	٠.			ddress	 	Expiration Da	ate	N/A		
4.	Identific	ation of System	VC			Code Class	2			
5.	(a) Appli	icable Constructio	n Code	n/a	٠,	n/a			Edition/Addend	la
	Addenda n/a				Code Cases	n/a		•		
	(b) Appli	icable Edition of S	ection	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000	A		
	(c) Appli	icable Section XI C	ode C	ases None	-					
. 6.		ation of Compone								
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID ·	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	21 BA T	ransfer Pump		Goulds	792A192-1		245-031	1970	Corrected	
7.	Descrip	otion of Work	Re	placed the mechani	cal seal gland pla	te.				
, 8.	Tests ç	onducted:	Ну	drostatic Pne	eumatic N	ominal Operat	ing Pressure	Exemp	ot 🗸	
			Ot	her 🗌 Pre	ssure	psi	Test Temp.		•,F	
0	ther: n/a	1								
		•								

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

11EW 2-26-004
O. Computer
9. Remarks
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
1/4
Type Code Symbol Stamp
Certificate of Authorization No W/A Expiration Date
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected the components described in this Owner's Report during the period <u>ITAUGIO</u> to <u>CONCECTO</u> ,
the components described in this Owner's Report during the period
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
modelines described in this extra a report in accordance with the requirements of the rotal code, decilot Ni.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions mr signy
Inspector's Signature National Board, Province and Endorsements
Wational Board, 1 Tovince and Endorsements
Date Locember 01, 2010

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

										ITEM 2-26-00	6
1.	Owner	Xcel Energy,	NSP-M Nuc	lear Department		Date 1	1/24/2	2011			
							······································				
2.	Plant	Prairie Island		nerating Plant	·	Sheet		<u> </u>	of	2	
		1717 Wakona		Name /elch Minnesota 550	289	405904-0	1, EE	C-1554			
_	Manle Da		-	ddress			-	_	on P.O. N	o., Job No., etc	
٥.	MOIKE	rformed by	Owner	Name		Type Cod	de Sy	mbol Stamp	N/A		
	•	;	Same	Name		Authoriza	ation		N/A	·	
		.5	A	ddress		Expiratio	n Da	te	<u>N/A</u>		
4.	Identific	ation of Syste	m VC			Code Cla	ISS	2	٠		
5.	(a) Appli	icable Constru	ction Code	B16.34	<u>,</u>	n/a	Edition/Addenda				
	-		Addenda	n/a		Code Cas	ses _.	n/a		-	•
	(b) Appl	icable Edition	of Section	XI Utilized for Rep	air/Replacement	Activity		1998E / 2000	A		
	(c) Appli	icable Section	XI Code Ca	ises None							
6.	Identific	ation of Comp	onents		· 	 			•		
	Compo	nent Name	·	Manufacturer Name	Manufacturer Serial #	Nat'l Bd	#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	23 Chai	rging Pump Suc	tion valve	Grinnell				2VC-6-7		Corrected	
7.	Descrip	otion of Work	Re	placed bonnet asse	mbly.						
			<u> </u>								
8.	Tests c	onducted:	Ну	drostatic 🔃 🛮 Pne	eumatic N	ominal Op	erati	ng Pressure	Exem	pt 🗸	
•			. Otl	ner 🔲 Pre	ssure	r	psi	Test Temp.		. F	
C	other: n/a	a 									

11EW 2-26-UU6
9. Remarks
· ·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No.)
Signed , ASME Program Engineer Date //28 /// ,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
·
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 2/5EP10 to 25/AN11
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions MN 01924
Inspector's Signature National Board, Province and Endorsements
Date

					•				11EW Z-26-00	17	
1.	Owner	Xcel Energy, I	NSP-M Nucl	ear Department		Date 1/25	/2011				
2.	Plant	Prairie Island		Name nerating Plant		Sheet	1	of	2		
		1717 Wakona		Name elch Minnesota 550	89	417817-02					
3.	Work Pe	rformed by	A Owner	ddress		Repair Organization P.O. No., Job No., etc Type Code Symbol Stamp N/A					
		-	Same	Name	,	Authorization	•	N/A			
4.	Identific	- ر ation of Syster		ddress		Expiration D Code Class	ate 2	N/A .	·		
5.		icable Constru		п/а	<u>,</u>	n/a	• •		Edition/Addenda		
		1	Addenda	n/a		Code Cases	n/a `		• 		
	(b) Appl	icable Edition	of Section.	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000	Α .			
6.	, ,	icable Section ation of Comp		ses None	· 		· · · · · · · · · · · · · · · · · · ·				
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	21 Chai	rging Pump		Ajax	6917		245-041	1969	Corrected		
7.	Descrip	itlon of Work	Rep	placed packing asse	emblies.						
8.	Tests c	onducted:	Нус	irostatic	eumatic N	ominal Operat	ting Pressure	Exem	pt 🗹		
		-	Oth	er 🗌 . Pre	ssure .	psi	Test Temp.		. °F		
C	ther: n/a	a									

ITEM 2-26-007
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp
Certificate of Authorization Np. NA Expiration Date
Signed , ASME Program Engineer Date 1/25/11,
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
CENTILIDATE OF INCLINION ESTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 44NOVID to 37,4AV11
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions mal 21934
Inspector's Signature National Board, Province and Endorsements
Date 27 , 2011
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

										ITEM 2-26-00	8		
1.	Owner	Xcel Energy	, NSP-M Nuc	lear Department		Date	5/9/2011						
2.	Plant	Name Prairie Island Nuclear Generating Plant				Sheet	1		of	. 2			
		1717 Wakon		Name Velch Minnesota 55	089	415821-0)1						
3.	Work Pe	rformed by	Owner	ddress		Туре Со	Repair Org		on P.O. No N/A	o., Job No., etc			
		Name Same								N/A			
			A	ddress		Expiration	n Date		N/A				
4.	identific	ation of Syste	em VC	•		Code Cla	ass 2						
5.	(a) Appi	Icable Constr	uction Code	n/a	,	, n/a			Edition/Addenda				
			Addenda	n/a	٠.	Code Ca	ses n/a	·.		-			
	(b) App	licable Edition	n of Section	XI Utilized for Rep	pair/Replacement	Activity	1998	E / 2000/	۹ ؛	•			
	(c) Appl	icable Section	n XI Code Ca	ases None									
6.	Identific	ation of Com	ponents										
	Compo	onent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd	# Other	ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp		
	Spare (Assemi	Charging Pump blies	o Packing	Goulds			Spare	s		Corrected			
7.	Descri	ption of Work	Re	built spare charging	pump packing as	semblies.							
8,	Tests o	onducted:	. Ну	drostatic 📋 È Pn	eumatic N	ominai Oį	perating Pre	essure	☐ Exem	pt 🔽			
			Oth	ner 🖸 💮 Pre	essure		psi [.] Test	Temp.		°F			
С	ther: n/	a 											

•	ITEM 2-26-008
. Remarks	
CERTIFICATE OF	COMPLIANCE
We certify that the statements made in the report are correct and this of	conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp	
Certificate of Authorization 1991 V/A Expirati	on Data
Signed , ASME Program E	Engineer Date <u>5/9///</u> ,
Owner or Owner's Designee , Title	
	•
CERTIFICATE OF INSE	EDVICE INSPECTION
CENTIFICATE OF INSI	ENVIOL INSPECTION
•	
	N. C. L. C.
l, the undersigned, holding a valid commission issued by the	National Board of Boiler and Pressure Vessel
nspectors and the State or Province of <u>Minnescopy</u> HSB Insp. and Ins. Co. of Connecticut of	Hartford Conn. have inspected
the components described in this Owner's Report during the	period 17 DEC 10 to 11 MAY 11
and state that to the best of my knowledge and belief, the Ov measures described in this Owner's Report in accordance w	
neasures described in this Owner's Report in accordance w	in the requirements of the ASME Code, Section At.
By signing this certificate neither the Inspector nor his e	
concerning the examinations and corrective measure de-	
the Inspector nor his employer shall be liable in any manner any kind arising from or connected with this inspection.	for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.	
Commission	s NB 12085 A, N, I
'Inspector's Signature)	National Board, Province and Endorsements
Date May 11 . 2:p11	
Date	·
•	
	·

								ITEM 2-26-01	13		
1.	Owner	Xcel Energy, NSP-M I	Nuclear Department		Date 5/7/	2012					
2.	Name Plant Prairie Island Nuclear Generating Plant			· · · · · · · · · · · · · · · · · · ·	Sheet	1	of	2			
	•	1717 Wakonade Dr. E	Name , Welch Minnesota 55	089	434447-01						
3.	Work Pe	rformed by Owner		•	pair Organizat Symbol Stamp	ion P.O. No N/A	on P.O. No., Job No., etc				
		Same	Name		Authorization			N/A			
			Address		Expiration D	ate	N/A	N/A			
4.	Identific	ation of System	MS		Code Class	2					
5.	(a) Appli	Icable Construction C	ode B16.34	<u>,</u>	n/a			Edition/Addenda			
		Adder	nda n/a		Code Cases n/a						
	(b) Appi	icable Edition of Sect	ion XI Utilized for Rep	air/Replacement	Activity	1998E / 2000	Α .				
6.		icable Section XI Code ation of Components	e Cases None	· · · · · · · · · · · · · · · · · · ·	·		-				
	Compo	nent Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp		
	22 SG 1	PORV	Copse Vulcan	7010-95075-1-1		CV-31107		Corrected			
7.	Descrip	otion of Work	Replaced trim includin	g the main and inn	er plugs.	·					
8.	Tests c	onducted:	Hydrostatic Pn	eumatic No	ominal Opera	ting Pressure	☐ Exem	pt 🔽			
	•		Other Pre	essure	psi	Test Temp.		. °F			
C	ther: Ins	service testing will be pe	erformed in accordance	with SP-2111B.							
		·									

ITEM 2-26-013
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization-No.
Signed ASME Program Engineer Date 5/7/12
Owner or Owner's Designee , Title
·
CERTIFICATE OF INSERVICE INSPECTION
CENTIFICATE OF INSERVICE INSPECTION
•
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of <u>Minnesota</u> and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 21APR11 to 15mAY 12.
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions NB 12085 A.N.1 mn 21924
Inspector's Signature National Board, Province and Endorsements
Date May 15 , 2012
<u> </u>

		, .		•					ITEM 2-26-01	4	
1.	Owner	Xcel Energy	, NSP-M Nuc	lear Department		Date 2/25	5/2012				
2.	Plant Prairie Island Nuclear Generating Plant Name 1717 Wakonade Dr. E, Welch Minnesota 55089					Sheet	1	of	· 2		
						431417-01					
			·-	ddress		Re	pair Organizat	ion P.O. No	o., Job No., etc		
3.	Work Per	rformed by	Owner	\$1		Type Code Symbol Stamp		N/A	N/A		
		•	Same	Name	•	Authorization			N/A		
		,		ddress	 .	Expiration D	ate	N/A			
4.	Identific	ation of Syst	tem . VC			Code Class	2				
5.	(a) Appli	icable Const	ruction Code	n/a '	,	n/a	•		Edition/Addend	la	
		•	Addenda	n/a		Code Cases	n/a		•	•	
	(b) Appl	icable Editio	n of Section	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000)A :	·.		
	(c) Appli	icable Sectio	n XI Code Ca	ases None		•		 			
6.		ation of Con		,				-			
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	22 Char	rging Pump		Ajax			245-042	1969	Corrected		
7.	Descrip	otion of Worl	k <u>R</u> e	placed packing ass	emblies.				·	·	
8.	Tests c	onducted:	Ну	drostatic 🔲 . Pn	eumatic N	ominal Opera	ting Pressure	Exem	pt ☑		
		•	Ot	her ☐ Pre	essure	psi	Test Temp.		۰F		
0	ther: n/a	3			—						
	_										

. ITEM 2-26-014
9. Remarks
• •
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp W/4
Certificate of Authorization Na Expiration Date
Signed , ASME Program Engineer Date 2125/12 , Owner or Owner's Designee , Title
Owner of Owner's Designed, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period OBJULIS to 27FE812
the components described in this Owner's Report during the period <u>objulit</u> to <u>27FER12</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Justil ? aloly Commissions NB120BS A.N.I MN 21924
Inspector's Signature National Board, Province and Endorsements
Date Leberary 27 2012

ITEM 2-26-015 10/19/2011 Xcel Energy, NSP-M Nuclear Department Date Owner Name Prairie Island Nuclear Generating Plant Sheet 2. Plant Name 1717 Wakonade Dr. E, Welch Minnesota 55089 429773-01 Address Repair Organization P.O. No., Job No., etc Work Performed by Owner Type Code Symbol Stamp Name Authorization Same **Expiration Date** Address ٧C Code Class Identification of System Edition/Addenda (a) Applicable Construction Code n/a n/a n/a Code Cases n/a Addenda (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Nat'l Bd # Other ID Yr Built Corrected, ASME Component Name Manufacturer Manufacturer Name Serial # Removed, or Code Installed, Stamp 1969 Ajax 245-043 Corrected 23 Charging Pump Description of Work Replaced packing assemblies. Nominal Operating Pressure | Exempt | Tests conducted: Hydrostatic [7] Pneumatic [Other [Pressure Test Temp. Other: n/a

71EW 2-26-U15
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorizetten Not
Signed ASME Program Engineer Date 10/19/11,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
Jused . Doly Commissions NB 12085 A.J.1
Inspector's Signature National Board, Province and Endorsements
Date (Lobola 20, 2011

									ITEM 2-26-01	16	
1.	Owner	Xcel Energy	, NSP-M Nuc	clear Department		Date 7/23	3/2012				
2.	Plant	Prairie Islan	d Nuclear Ge	Name enerating Plant		Sheet	1	of	, 2		
		Name 1717 Wakonade Dr. E, Welch Minnesota 55089					C-15389				
			-	Address		Re	pair Organizat	ion P.O. N	o., Job No., etc		
3.	Work Pe	erformed by	Owner			Type Code S	Symbol Stamp	N/A			
	Name Same					Authorization		·N/A			
		•		Address		Expiration D	ate	N/A			
4.	Identific	ation of Syst	tem CC			Code Class	3				
5.	(a) Appl	icable Const	ruction Code	e n/a	,	n/a		Edition/Addenda			
	Addenda n/a					Code Cases n/a					
	(b) Appl	licable Editio	n of Section	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000)A	1		
	(c) Appi	icable Sectio	n XI Code C	ases None							
6.	Identific	ation of Com	ponents	<u>*</u>				-			
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	22 CC	pump		Goulds	222B997-2		245-122		Corrected		
7.	Descrip	ption of Worl	k <u>R</u> e	placed mechanical	seals with new car	rtridge type se	als with integral	gland plate),		
8.	Tests o	conducted:,	Ну	drostatic 🗍 Pne	eumatic N	ominal Opera	ting Pressure	☐ Exem	pt 🗹		
			Ot	her 🔲 Pre	essure	psi	Test Temp.		۰۴		
C	Other: n/a	a 									

11LW 2-20-U10
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
I/A
Type Code Symbol Stamp ///4
Certificate of Authorization No. 1 A/A Expiration Date
Signed (LCL , ASME Program Engineer Date 7/23/12 ,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
SERVINION TE OF MOLITARION ESTICAL
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period (1) Usua to 23 July 2.
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
De denim this south a mither the leavester and his southern the second of the second o
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Inspector's Signature Commissions AB 1208S A.N.: MN 21924 National Board, Province and Endorsements
National Board, Province and Endorsements
Date Luly 23 , 2012
() J

									ITEM 2-26-01	7
1.	Owner	Xcel Energy, N	ISP-M Nucl	lear Department		Date 5/29	9/2012			
2.	Plant	Prairie Island I	Name Prairie Island Nuclear Generating Plant			Sheet	1	of	2	
		1717 Wakonad		Name lelch Minnesota 550	89	418558-01				
				ddress		Re	pair Organizat	ion P.O. N	o., Job No., etc	
3.	Work Pe	rformed by C)wner		 	Type Code S	Symbol Stamp	N/A		
		S	ame	Name		Authorization				
		-	A	ddress		Expiration D	ate	N/A_		
4.	Identific	ation of Systen	n SG			Code Class	1			
5.	(a) Appl	icable Construc	ction Code	B31.1		1967			Edition/Addenc	la
	Addenda n/a					Code Cases	n/a			
	(b) Appi	licable Edition o	of Section	XI Utilized for Repa	air/Replacement	ement Activity 1998E / 2000/				
	(c) Appl	icable Section 1	XI Code Ca	ises None						
6.		ation of Compo					<u>' </u>	-		
	Compo	onent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	SG Snu	ıbber Block Valv	е	McDowell Welman	72218-000-18		21S/G03		Installed -	
7.	Descri	ption of Work	Re	placed valve block.						
8.	Tests o	onducted:	Нус	drostatic 🔲 . Pne	eumatic 🗌 . N	lominal Opera	ting Pressure	Exem	ppt 🔽	
			Oth	ner Pre	ssure	psi	Test Temp.		° F	
0	ther: n/a	a								

ITEM 2-26-017
9. Remarks
·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp //A
Certificate of Authorization No Expiration Date
Signed , ASME Program Engineer Date 5/29/12 ,
Owner or Owner's Designee , Title
·
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSPECTION .
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of <u>Minnesota</u> and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 630711 to 29 may 12
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions NB 12085 A.A., mA 21924 National Board, Province and Endorsements
Date 40 au 29 \ \Quad \text{\text{CD12}}
11 (, , , , , , , , , , , , , , , , , ,

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

									ITEM 2-26-01	18
1.	Owner	Xcel Energy, N	SP-M Nuc	lear Department		Date 6/27	/2012			
2.	Plant	Prairie Island N		Name nerating Plant		Sheet	1	of	2	
		1717 Wakonad		Name /elch Minnesota 55	089	410183-01				
3.	Work Pe	rformed by O		ddress .	***************************************		pair Organizat ymbol Stamp	ion P.O. No N/A	o., Job No., etc	- \\
		Name Same					n	N/A		
4.	Identific	ation of System	•	ddress		Expiration D Code Class	ate .	N/A		
5.	(a) Appli	icable Construc	tion Code	ASME III		1968			Edition/Addend	ia
			Addenda	n/a		Code Cases	n/a		-	
	(b) Appl	icable Edition o	f Section	XI Utilized for Rep	oair/Replacement	Activity	1998E / 2000)A		
	(c) Appli	icable Section X	I Code Ca	ases None						
6.	Identific	ation of Compo	nents					-		
	Compo	nent Name		Manúfacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	22 TD A	AFW PMP MS SF	LY Valve	Copes Vulcan	7620-95400-25- 12		CV-31999	1968	Corrected	
7.	Descrip	otion of Work	Re	placed internal trim	including the plug.	·				
8.	Tests c	onducted:	Нус	drostatic 🔲 🏻 Pri	eumatic No	ominal Operat	ting Pressure	☐ Exem	pt 🗹	
_					essure	psi	Test Temp.		° F	
С	ther: Ex	ercise testing in a	accordanc	e with the requirem	ents of the IST pro	gram.				

TEM 2-26-018
9. Remarks
·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. 1 Expiration Date
Signed , ASME Program Engineer Date 6/27/12
Owner or Owner's Designee , Title
·
CERTIFICATE OF INSERVICE INSPECTION
·
·
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 64AUG11 to 12JUL12 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 1205 A.N. Md 21924
Inspector's Signature Commissions 12085 A.N.I MN 31924 National Board, Province and Endorsements
Date

				•					ITEM 2-26-02	20		
J. (Owner	Xcel Energy	, NSP-M Nu	clear Department		Date 5/31	1/2012					
2. 1	Plant	Prairie Islan	d Nuclear G	Name enerating Plant		Sheet	1	of	2			
		1717 Wakoi	nade Dr. E, \	Name Welch Minnesota 55	089	371272-01				<u> </u>		
i. 1	Work Pei	rformed by	Owner	Address		Repair Organization Type Code Symbol Stamp			on P.O. No., Job No., etc N/A			
	Same			Name		Authorization		N/A	N/A			
Į.	Identifica	ation of Syst		Address		Expiration D	3	N/A_				
5.	(a) Appli	icab ie Consti	ruction Cod	e N/A	,	N/A Edition/Ad			Edition/Addend	ia		
	(c) Appli	icable Editio icable Sectio ation of Com	n XI Code C	XI Utilized for Rep	pair/Replacement	Code Cases Activity	N/A 1998E / 2000)A ' '				
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp		
	22 TD A governo	NFW PMP Tur or valve	rbine	Terry Turbine	·		259-201		Corrected			
7.	Descrip	ription of Work Replaced bonnet and bonnet fasteners.										
8.	Tests c	onducted:	. Н	ydrostatic Pr	neumatic N	ominal Opera	ting Pressure	Exem	pt 🔽			
			0	ther Pr	essure .	psi	Test Temp.		۰۴			

ITEM 2-26-020
9. Remarks
J. INCHIGINS
·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp VIA
11.
Certificate of Authorization No. 1/A Expiration Date
Signed, ASME Program Engineer Date
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
\cdot
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period Observi to Old Juli 12.
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions No 1 Lors A.N. 1 MA 21924 National Board, Province and Endorsements
Date

					•				2-20-02	-2	
1.	Owner	Xcel Energy	NSP-M Nuc	lear Department		Date 10/1	8/2011				
2.	Plant	Prairie Island		Name nerating Plant		Sheet	1	of	2		
		1717 Wakor		Name /elch Minnesota 55	089	424867-01	 .				
				ddress		Re	pair Organizat	ion P.O. No	Job No., etc		
3.	Work Pe	rformed by	Owner			Type Code S	ymbol Stamp	N/A			
				Name	 						
			Same			Authorization	n	N/A			
	•_			ddress		Expiration Date		N/A			
4.	ldentific	ation of Syste	em VC			Code Class	2				
5.	(a) Appl	icable Constr	uction Code	n/a	,	n/a			Edition/Addenda		
			Addenda	n/a		Code Cases	n/a				
	(b) App	licable Edition	of Section	XI Utilized for Rep	pair/Replacement	Activity	1998E / 2000	Α .			
								· · ·			
	(c) Appi	Icable Section	n XI Code Ca	ases None				_			
6.	Identific	ation of Com	ponents								
	Compo	onent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	Spare (Assemi	Charging Pump blies	Packing	Goulds			Spares		Corrected		
7.	Descri	ption of Work	Re	built spare charging	g pump packing as	semblies.					
8.	Tests	conducted:	Ну	drostatic Pri	eumatic N	ominal Opera	ting Pressure	Exem	pt 🗸		
			Ot	her Pr	essure	psi-	Test Temp.		· • F		
C	Other: n/	a	•			·					

	11EM 2-26-022
9. Remarks	
	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this conforms to the requirements of t	he ASME Code, Section XI
Type Code Symbol Stamp //4	
.,,	
Certificate of Authorization No.	
Signed , ASME Program Engineer Date 10/18/11	· · · · · · · · · · · · · · · · · · ·
Owner or Owner's Designee , Title	
CERTIFICATE OF INSERVICE INSPECTION	
DENTI IONIE OF INCERVIOL INC. EGYTON	
I, the undersigned, holding a valid commission issued by the National Board of Boiler a	nd Pressure Vessel
Inspectors and the State or Province ofMinnesota byHSB Insp. and Ins. Co. of Connecticut ofHartford Conn.	and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. the components described in this Owner's Report during the period 125EP11	have inspected to 1900 11
and state that to the best of my knowledge and belief, the Owner has performed exami	nations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the	ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any war	ranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's R	eport. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of p any kind arising from or connected with this inspection.	roperty damage or a loss of
0000 Car. 1	
Commissions National Board, Province	ce and Endorsements
	o and Endorsoments
Date (\(\frac{16taber 19}{2013}\)	
	-

1. Owner Xcel Ene							ITEM 2-26-02		
I. OWITEL MOCIETIO	gy, NSP-M Nuc	elear Department		Date 6/26	/2012				
2. Plant Prairie Is	and Nuclear Ge	Name enerating Plant		Sheet	1	of	2		
1717 Wa	onade Dr. E, V		108895-01						
2 Mark Darformed b	Ours		•	pair Qrganizat ymbol Stamp		on P.O. No., Job No., etc			
3. Work Performed by	Work Performed by Owner Name					N/A			
	Same		Authorization			<u>N/A</u>			
	-	Address		Expiration Da		N/A			
4. Identification of S	stem SI			Code Class	2				
5. (a) Applicable Cor	(a) Applicable Construction Code B16.34					Edition/Addenda			
	Addenda	n/a		Code Cases	n/a				
(b) Applicable Edi	ion of Section	air/Replacement	Activity	1998E / 2000	Α				
(c) Applicable Sec	ion XI Code C	ases None					_ _		
6. Identification of C	mponents					-			
Component Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
SUMP B TO 22 RI B (INSIDE) MV	IR PMP TRN	Crane			MV-32179		Corrected		
7. Description of W	Description of Work Replaced body to bonnet fasteners.								
8. Tests conducted:	Hy	drostatic Pn	eumatic	ominal Operat	ing Pressure	Exem	pt 🗹		
	Ot	her Pre	essure	psi (Test Temp.		۰F		
Other: n/a									

	ITEM 2-26-023
9. Remarks	·
	
	-
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this conforms to the requirements of the AS	ME Code, Section XI.
Type Code Symbol Stamp	<u>.</u>
Certificate of Authenization Not NA Expiration Date	
Signed , ASME Program Engineer Date 6/26/12	
Owner or Owner's Designee , Title	
CERTIFICATE OF INSERVICE INSPECTION	••
I, the undersigned, holding a valid commission issued by the National Board of Boiler and P	raccura Vaccal
Inspectors and the State or Province of Minnesota	and employed
by HSB Insp. and Ins. Co. of Connecticut of _ Hartford Conn. the components described in this Owner's Report during the period	have inspected
and state that to the best of my knowledge and belief, the Owner has performed examinatio	ns and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASN	IE Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty	v. expressed or implied,
concerning the examinations and corrective measure described in the Owner's Repor	rt. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of prope any kind arising from or connected with this inspection.	rty damage or a loss of
tono	1 2/2011
Commissions 1/085 A·N·1 MA	J 21924
	id Endorsements
Date	

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

									ITEM 2-26-02	25	
1.	Owner	Xcel Energy,	, NSP-M N	iclear Department		Date 4/16	5/2012				
2.	Plant	Prairie Island	d Nuclear G	Name Senerating Plant		Sheet	1	of	2		
		1717 Wakon	ade Dr. E,	Name Welch Minnesota 55	5089	- 110616-05					
3.	Work Pe	rformed by	Owner	Address	•		pair Organizati Symbol Stamp	lon P.O. N	o., Job No., etc		
			Same	Name		Authorization		N/A			
				Address		Expiration E	Date	N/A			
4.	Identific	ation of Syste	em CL			Code Class	3				
5.	(a) Appli	icable Constr	uction Cod	de B31.1	,	1967			Edition/Adden	da	
			Addend	a n/a		Code Cases	n/a '\				
	(b) Appl	icable Edition	of Sectio	n XI Utilized for Re	pair/Replacement	t Activity	1998E / 2000	Α .	-	•	
	(c) Appli	icable Section	n XI Code (Cases None							
6,	Identific	ation of Com	ponents					-			
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	22 CLG	WTR PMP D	ISCH	Pratt			2CL-39-2		Installed		
7.	Descrip	otlon of Work	R	eplaced the valve a	nd flange bolting.						
8.	Tests ç	onducted:		ydrostatic Pr	neumatic N	lominal Opera	iting Pressure	☐ Exem	pt 🗹		
			O	ther 🔲 . Pi	essure	, psi	Test Temp.		• F		
٥	ther: n/a	1									

11EW 2-26-025
9. Remarks
5. Reliid KS
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\cdot
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
//-
Type Code Symbol Stamp
Certificate of Authorization No Expiration Date
Certificate of Authorization N/A Expiration Date Signed , ASME Program Engineer Date 4/16/12 ,
Owner or Owner's Designee , Title
<u> </u>
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 3⊅S€₽1 to ⊅2mA/12
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions NB 17285 A.N.1 MN 21924
Inspector's Signature National Board, Province and Endorsements
Date Way 002 . 2012
Date

ITEM 2-26-026

1.	Owner	Xcel Energy,	NSP-M Nuc	lear Department		Date 6/4/	2012			
2.	Plant .	Prairie Island	Nuclear Ge	Name nerating Plant Name		Sheet	1	of	. 2	
		1717 Wakon		/elch Minnesota 55	6089	395532-01				
			-	ddress		Re	pair Organizat	ion P.O. N	o., Job No., etc	
3.	Work Pe	rformed by	Owner			Type Code S	Symbol Stamp	N/A		
			Same	Name		Authorizatio		N/A		
			=	ddress		Expiration D		N/A		
4.	Identific	ation of Syste	m AF			Code Class	2			
5.	(a) Řppli	icable Constru	iction Code	B16.34	,	n/a			Edition/Addend	la
			Addenda	n/a		Code Cases	n/a			
	(b) Appi	icable Edition	of Section	XI Utilized for Re	pair/Replacement	Activity				
	(c) Appli	icable Section	XI Code Ca	ses None						
6.		ation of Comp						-		
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	22 AFV	V TO 21 SG M	/	Powell			MV-32246		Corrected	
7.	Descrip	otion of Work	Re	olaced disc.						·
8.	Tests c	onducted:	Нус	drostatic Pr	neumatic N	lominal Opera	ting Pressure	☐ Exem	pt 🗹	
			Oth	ner ่ Pr	essure	psi.	Test Temp.		٥٢	
C	other: n/a	1							·	

ITEM 2-26-026
9. Remarks
OFFICIAL OF COMPUNIOR
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No 3/A Expiration Date
Signed, ASME Program Engineer Date
Owner or Owner's Designee , Title
OFFITE OF INCEPTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 40 20 40 41 40 41 40 41 40 41 40 41 40 41 40 41 41 40 41 41 41 41 41 41 41 41 41 41 41 41 41
the components described in this Owner's Report during the period <u>foo amake 305611</u> to <u>0410412</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
1 0 mm
Inspector's Signature Commissions AB 1/285 A'N 1 MN 21924 National Board, Province and Endorsements
Date Quite

ITEM 2-26-027 Date 5/21/2012 Owner Xcel Energy, NSP-M Nuclear Department Name Plant Prairie Island Nuclear Generating Plant Sheet 2 Name 418559-01 1717 Wakonade Dr. E, Welch Minnesota 55089 Repair Organization P.O. No., Job No., etc Address Work Performed by Owner Type Code Symbol Stamp N/A Name Authorization N/A Same **Expiration Date** Address Code Class Identification of System 5. (a) Applicable Construction Code B31.1 1967 Edition/Addenda Code Cases n/a n/a Addenda 1998E / 2000A (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity (c) Applicable Section XI Code Cases Identification of Components Nat'l Bd# Other ID Component Name Manufacturer Manufacturer Yr Built Corrected, ASME Serial # Removed, or Name Code Installed Stamp 22S/G03 SG Snubber Block Valve McDowell Welman 72218-000-15 Installed Description of Work Replaced valve block Tests conducted: . Pneumatic Nominal Operating Pressure | Exempt | Other 🗀 Test Temp. Pressure Other: n/a

ITEM 2-26-027
· · · · · · · · · · · · · · · · · · ·
9. Remarks VT-3 recorded in report 2012V057.
,
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
1
Type Code Symbol Stamp // / / /
Certificate of Authorization May
Signed , ASME Program Engineer Date ,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
1 the condensioned helding a valid appropriation is good by the National Deput of Dellar and December 1
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Minnesota</u> and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 6400711 to 23may12
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
De junion this soulificate poither the languages are his souling at the second of the languages.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions NB 12085 A.A.I MA 21924
Inspector's Signature National Board, Province and Endorsements
Date Way 23 2012
Date

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

									ITEM 2-26-02	28
1. Ov	wner	Xcel Energy	, NSP-M Nuc	lear Department		Date 10/3	31/2011			•
2. Pi	ant	Name Prairie Island Nuclear Generating Plant			ì	Sheet	1	of	2	
		1717 Wako	nade Dr. E, V	Name E, Welch Minnesota 55089		443354-01				
a 147.	anta Dan	f	•	Address					o., Job No., etc	
3. W	ork Per	formed by	Owner	Name		Type Code S	Symbol Stamp	N/A		
			Same	Name		Authorizatio	norization			
				Address		Expiration D	ate	N/A		· · · · · · · · · · · · · · · · · · ·
4. ld	ientifica	ation of Syst	em SI			Code Class	2			
5. (a	a) Appli	cable Const	ruction Code	Code AWS D1.1		, n/a		Edition/Addenda		
			Addenda	n/a		Code Cases	n/a		-	
d)	b) Appli	cable Editio	n of Section	XI Utilized for Rep	pair/Replacement	Activity	1998E / 2000)A	· .	
•		cable Sectionation of Com	n XI Code C	ases None				-		-
C	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Bullt	Corrected, Removed, or Installed	ASME Code Stamp
S	SI syste	m support					2-RSIH-241		Corrected	
7.	Descrip	tion of Worl	с <u>R</u> e	placed anchor bolt.						
8. 1	Tests c	onducted:	Ну	drostatic	eumatic	ominal Opera	ting Pressure	☐ Exem	pt 🗸	
			Ot	her 🗌 Pre	essure	psi	Test Temp.		, e	
Othe	er: n/a									

ITEM 2-26-028 VT-3 exam recorded on PSI report 2011V095 9. Remarks CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization No. **Expiration Date** ASME Program Engineer Date Signed Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed Minnesota by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 120cr11 to 310cr11, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection. Commissions __ National Board, Province and Endorsements Date

ITEM 2-26-031

1.	Owner	Xcel Energy, NSI	P-M Nucl	ear Department		Date 1/4/:	2012			
2.	Plant	Prairie Island Nu		Name nerating Plant		Sheet	1	of	2	
		1717 Wakonade		Name /elch Minnesota 55	089	446435-01				
3.	Work Pe	rformed by Own	ner	ddress		•	pair Organizat Symbol Stamp	ion P.O. N N/A	o., Job No., etc	
		San	ne	Name		Authorization Expiration D	•	N/A N/A		
4.	Identific	ation of System	VC A	ddress		Code Class	2	10.74		
5.	(a) Applicable Construction Code n/a Addenda n/a					n/a			Edition/Addend	la .
						Code Cases	n/a			
	(b) Appl	licable Edition of	Section :	XI Utilized for Re	pair/Replacement	Activity	1998E / 200)A	' · .	
6.		icable Section XI ation of Compone		ases None		·		_		•
	Compo	onent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	21 Cha	rging Pump		Ajax	6917		245-041	1969	Corrected	
7.	Descri	ption of Work	Reg	placed packing ass	emblies.		·			
8.	Tests o	conducted:	Нус	drostatic Pr	neumatic N	lominal Opera	ting Pressure	☐ Exem	pt 🗸	
			Oth	ner 🗌 Pr	essure	psi	Test Temp.		۰F	
C	Other: n/a	a								

	ITEM 2-26-031
9. Remarks	•
9, Vellidino	
<u> </u>	
CERTIFICATE OF C	OMPLIANCE .
We certify that the statements made in the report are correct and this con	forms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp	
Certificate of Authorization N/A Expiration	Date
Signed , ASME Program Eng	7,/-
Owner or Owner's Designee . Title	mileer Date ////////
Official of Official Designed , This	
CERTIFICATE OF INSER	VICE INSPECTION .
	·
I, the undersigned, holding a valid commission issued by the N	ational Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota	and employed have inspected
by HSB Insp. and Ins. Co. of Connecticut of Hithe components described in this Owner's Report during the per	artford Conn. have inspected for a sharing
and state that to the best of my knowledge and belief, the Own	er has performed examinations and taken corrective
measures described in this Owner's Report in accordance with	the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his em	ployer makes any warranty expressed or implied
concerning the examinations and corrective measure descri	ibed in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for	any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.	
Commissions	48 12085 A. J. 1 MJ 21924
Inspector's Signature	National Board, Province and Endorsements
Date Lanuary CDS, 2012	
,	
	•

								ITEM 2-26-03	32
1.	Owner	Xcel Energy, NSP-M Nuc	lear Department	,	Date 2/2	1/2012		,	
2.	Plant	Prairie Island Nuclear Ge	Name nerating Plant		Sheet	1	of	2	
		1717 Wakonade Dr. E, W	Name Velch Minnesota 550	089	414266-01, E	EC-1472			
3.	Work Pe	rformed by Owner	Address			pair Organizati Symbol Stamp		o., Job No., etc	
		Same	Name		Authorizatio	on .	N/A		
			Address		Expiration E	Date	N/A		
4.	ldentific	ation of System ZH	Address		Code Class	3			
5.	(a) Appli	icable Construction Code	B31.1	<u> </u>	1967			Edition/Addend	la
		Addenda	n/a		Code Cases	n/a		· .	
	(b) Appi	icable Edition of Section	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000	A		
	ilaaA (a)	icable Section XI Code Ca	ases None						
6.	.,	ation of Components	<u></u>				•		
	Compo	nent Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	111 SW	GR RM UNIT CLR SPLY	Vogt		,	2ZH-4-7		Installed	
	111 SW	GR RM UNIT CLR RTRN	Vogt			2ZH-4-8		Installed	
7.	Descrip	otion of Work Re	place valves and as	sociated piping.		· · · · · · · · · · · · · · · · · · ·			
8.	Tests c	onducted: Hy	drostatic Pn	eumatic N	ominal Opera	iting Pressure	Exem	pt 🗌	
	, •	. Ott	her Pre	essure N	IOP psi	Test Temp.		NOT ° F	
C	ther: n/a	•				•			

IT	EM 2-26-032
O. D	
9. Remarks VT-2 Leakage Test recorded on report BOP-VT-12-002.	
	
	· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Co	ode, Section XI.
Type Code Symbol Stamp V/A	
-d/A	
Certificate of Authorization No Expiration Date	-
Signed ASME Program Engineer Date	· · · · · · · · · · · · · · · · · · ·
Owner or Owner's Designee , Title	
	•
CERTIFICATE OF INSERVICE INSPECTION	•
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressu	ıre Vessel
Inspectors and the State or Province ofMinnesota	and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. the components described in this Owner's Report during the period ORNOVII to	have inspected
and state that to the best of my knowledge and belief, the Owner has performed examinations ar	nd taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Co	ode, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, exp	oressed or implied
concerning the examinations and corrective measure described in the Owner's Report. Fu	
the Inspector nor his employer shall be liable in any manner for any personal injury of property da	
any kind arising from or connected with this inspection.	
Commissions NB 12085 A.N.1 MN 2192	4
Inspector's Signature National Board, Province and En	dorsements
Date	
Date	

ITEM 2-26-033 Xcel Energy, NSP-M Nuclear Department 1/27/2012 Date Owner Name Prairie Island Nuclear Generating Plant Sheet Plant Name 443403-01 1717 Wakonade Dr. E. Welch Minnesota 55089 Repair Organization P.O. No., Job No., etc Address Work Performed by Owner Type Code Symbol Stamp N/A Name N/A Authorization Same · **Expiration Date** N/A Address VC Code Class Identification of System (a) Applicable Construction Code Edition/Addenda n/a Code Cases n/a1 Addenda . n/a (b) Applicable Edition of Section XI. Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Component Name Manufacturer Manufacturer Nat'l Bd# Other ID Yr Built Corrected, ASME Name Serial # Removed, or Code Installed Stamp Spare Charging Pump Packing Goulds Spares Corrected Assemblies Rebuilt spare charging pump packing assemblies. Description of Work Nominal Operating Pressure 🔲 Exempt 🔽 Hydrostatic [Tests conducted: Pneumatic [Other | Pressure Other: n/a

11EM 2-26-033
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp $\sqrt{\underline{\mathcal{A}}}$
Certificate of Authorization No. A Expiration Date
Signed . , ASME Program Engineer Date 1/27/12
Owner or Owner's Designee , Title
Similar of Chinar of Accordance , miles
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of <u>Minnesota</u> and employed by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected
the components described in this Owner's Report during the period 14 DECI1 to 36 JAN 12
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
measures described in this Owner's Report in accordance with the requirements of the Abivic Code, Section At.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions NB 12085 A.A.I MN 31924
Commissions NB 12085 A.A. MN 31924 Inspector's Signature National Board, Province and Endorsements
Date

				-						ITEM 2-26-03	5	
١.	Owner	Xcel Energy	y, NSP-M Nu	clear Department		Date	6/1/2	2012				
2.	Plant	Prairie Islan	nd Nuclear G	Name enerating Plant		Sheet		1	of	2		
		1717 Wako	nade Dr. E, \	Name Welch Minnesota 550	089	371691~	 01					
	W.J.D.			Address						o., Job No., etc		
3.	Work Pe	rformed by	Owner	Name		Type Code Symbol Stamp			N/A	N/A		
			Same	Name		Authoriz			N/A	<u>N/A</u>		
		si		Address		Expirati		ate	N/A	· · · · · · · · · · · · · · · · · · ·		
1.	Identific	ation of Syst	tem AF			Code CI	lass	2				
ō.	(a) Appli	icable Const	Construction Code B16.34			, <u>n/a</u>				Edition/Addenda		
	Addenda n/a					Code Ca	ases	n/a ,				
	(b) Appl	licable Editio	n of Section	n XI Utilized for Rep	air/Replacement	Activity		1998E / 2000)A			
	(c) Appl	icable Sectio	n XI Code (Cases None			•					
ŝ.	Identific	ation of Con	nponents									
	Сотро	onent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bo	# 1	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	22 AFW	V TO 22 SG N	ń∨	Powell/Weir				MV-32247		Corrected		
7.	Descrip	ption of Worl	k <u>R</u>	eplaced disc.					······			
8.	Tests o	onducted:	Н	ydrostatic 📑 Pn	eumatic	ominal O	pera	ting Pressure	Exem	pt 🗸		
	•		o	ther Pre	essure		psi	Test Temp.		· °F		
0	ther: n/a	a ·										

11EW 2-26-035
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp/A
Signed
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
l, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected the components described in this Owner's Report during the period <u>φ4Jan12</u> to <u>φ6Jon12</u>
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
 By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions NB 12085 A-A-1 mA 21924 National Board, Province and Endorsements
Date Quie of , 2012

	٠	•						ITEM 2-26-03	39	
١.	Owner	Xcel Energy, NSP-M	Nuclear Department		Date 4/16	5/2012			•	
2.	Plant	Prairie Island Nuclear	Name Generating Plant		Sheet	1	of	2		
		1717 Wakonade Dr. E	Name E, Welch Minnesota 550	89	308073-01					
			Address		Re	pair Organizat	ion P.O. No	o., Job No., etc		
3.	Work Pe	rformed by Owner	 		Type Code Symbol Stamp 1			N/A		
		Same	Name		Authorizatio	n	N/A			
			Address		Expiration D	ate	N/A			
ı.	Identific	ation of System	VC		Code Class	1				
5.	(a) Appli	- icable Construction C	ode B31.1	,	1967			Edition/Addend	da	
		Adder	ıda n/a		Code Cases	n/a		-		
	(b) Appi	icable Edition of Sect	ion XI Utilized for Repa	air/Replacement	Activity	1998E / 2000)A			
	(c) Appli	cable Section XI Code	e Cases None							
5.		ation of Components					- .	•		
	Compo	nent Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	VC pipir	ng spring can support	Basic Engineering			2-RCVCH- 1575		Corrected		
7.	Descrip	otion of Work	Replaced spring can up	oper rod.						
8.	` Tests ć	onducted:	Hydrostatic Pne	umatic N	ominal Opera	ting Pressure	Exem	pt 🗸		
			Other Pre	ssure	psi	Test Temp.	•	° F		
0	ther: n/a		· · · · · · · · · · · · · · · · · · ·			<u> </u>				

п	EM 2-26-039
9. Remarks VT-3 recorded on report # 2012V049.	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Co	ode, Section XI.
Type Code Symbol Stamp	
Certificate of Authorization No. 1014 Expiration Date	
Signed . ASME Program Engineer Date 4/19/12	·
Owner or Owner's Designee , Title	
CERTIFICATE OF INSERVICE INSPECTION	
$oldsymbol{\cdot}$	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressu Inspectors and the State or Province ofMinnesota	ire Vessel
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn.	have inspected
the components described in this Owner's Report during the period	16may12 nd taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Co	ode, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, exp	
concerning the examinations and corrective measure described in the Owner's Report. Fu the Inspector nor his employer shall be liable in any manner for any personal injury of property da	
any kind arising from or connected with this inspection.	mage of a loos of
Commissions AB 12085 A.A.I MA 21924	1
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	dorsements
Date	

									ITEM 2-26-04	11
1.	Owner	Xcel Energy, NSP-M	Nuc	lear Department		Date 5/25	/2012			
2.	Plant	Prairie Island Nuclea		Name nerating Plant		Sheet	1	of	2	
		1717 Wakonade Dr.	E, W	Name /elch Minnesota 550	989	157621-01, E	C-19365, EC-1	9855		
3.	Work Pe	rformed by Owner	A	ddress			pair Organizat ymbol Stamp	ion P.O. No N/A	o., Job No., etc	
		Same		Name		Authorization		N/A		
4.	Identific	ation of System	RH	ddress		Expiration D Code Class	ate 2	N/A		
5.	(a) Appl	icable Construction 0	ode	B31.1	·,	1967	<u>-</u>		Edition/Addend	la .
		. Adde	nda	n/a		Code Cases	n/a			
	(b) Appi	icable Edition of Sec	lion	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000	Α		
	(c) Appli	icable Section XÌ Cod	le Ca	ses None	•					
6.	ldentific	ation of Components	•					-		
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Cor voted, Removed, or Installed	ASME Code Stamp
	22 RHR	HX RC OUTL valve		Fisher			CV-31239		installed	
7.	Descrip	otlon of Work	Re	olaced Valve and fla	inge fasteners as	well as the blo	ck plate fastene	ers.		
8.	Tests c	onducted:	Ну	drostatic 🗌 - Pne	eumatic 🗍 N	ominal Operal	ing Pressure	Exem	pt 🔽	•
			Otł	ner Pre	ssure	psl	Test Temp.		° F	
C	ther: n/a	a						-		

	-20-041
9. Remarks	
·	
	•
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Se	ction XI.
Type Code Symbol Stamp	
Certificate of Authorization No. 1/4 Expiration Date	
Signed , ASME Program Engineer Date 5/25/12	
Owner or Owner's Designee , Title	
	Ţ <u></u> _
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Ve	ssel
	d employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have the components described in this Owner's Report during the period CEFEB12 to 25 July	ve inspected
and state that to the best of my knowledge and belief, the Owner has performed examinations and take	en corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, So	ection XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expresse	d or implied
concerning the examinations and corrective measure described in the Owner's Report. Furthern	nore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage	or a loss of
any kind arising from or connected with this inspection.	. ,
Commissions NB 1 COSS A.N.I. MA 21924	
Inspector's Signature National Board, Province and Endorse	ments
Date Lune 25, 2012	

						,			ITEM 2-26-04	12
1.	Owner	Xcel Energy	, NSP-M Nucl	lear Department		Date 6/5/2	2012			
2,	Plant	Prairie Islan		Name nerating Plant		Sheet	1	of	2	
		1717 Wako		Name elch Minnesota 550	989	411469-01				
3.	Work Pe	rformed by	· A Owner	ddress		•	pair Organiza ymbol Stamp		o., Job No., etc	
			Same	Name		Authorization	•	N/A		
4.	Identific	ation of Syst		ddress		Expiration Da Code Class	ate 2	N/A		
5.	(a) Appi	icable Const	ruction Code	B16.34	·	n/a			Edition/Addend	ia .
			Addenda	n/a		Code Cases	n/a ·			•
	(b) Appl	icable Editio	n of Section	XI Utilized for Rep	air/Replacement	Activity	1998E / 200	DA		•
	(c) Appl	icable Sectio	n XI Code Ca	ases None						
6.	Identific	ation of Com	ponents							
	Compo	onent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	21 SG 1	MS ISOL CV		Schutte & Koerting			CV-31116		Corrected	
7.	Descrip	ption of Worl	(Re	placed the valve dis	c and one body to	cover fastene	r set.			
8.	Tests o	onducted:	Нус	drostatic Pne	eumatic N	ominal Operat	ling Pressure	Exem	pt 🗹	
			Ott	ner 🗌 Pre	ssure	psi	Test Temp.		°F	
C	ther: n/a	a	•			. — —				

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

TIEM 2-26-042
9. Remarks
· Nomana
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization New Expiration Date
Signed, ASME Program Engineer Date,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province ofMinnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the periodt6
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions NB 12085 A.N.1 MN 31924
Commissions NB 12085 A·N·1 m\ 31924 Inspector's Signature National Board, Province and Endorsements
Date une os , Oo12

Owner

Plant

3. Work Performed by

Identification of System

(a) Applicable Construction Code

Xcel Energy, NSP-M Nuclear Department

Prairie Island Nuclear Generating Plant

Owner

Same

Name

Name 1717 Wakonade Dr. E, Welch Minnesota 55089

Address

Name

Address

B16.34

RH

Sheet 1 of 2

406127-01

Repair Organization P.O. No., Job No., etc

Type Code Symbol Stamp N/A

Authorization N/A

Expiration Date N/A

Code Class 2

n/a Edition/Addenda

Code Cases n/a

t Activity 1998E / 2000A

Nat'l Bd # Other ID Yr Built Corrected, Removed, or Code

ITEM 2-26-043

	Addend	a <u>n/a</u>	<u></u>	Code Cases	n/a ```		_ `	
	(b) Applicable Edition of Section	n XI Utilized for Rep	air/Replacement	Activity	1998E / 200	0A		
	(c) Applicable Section XI Code	Cases None				_		
š.	Identification of Components	•						
	Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	21 RHR PMP Suction Line Chk	Crane			2RH-3-2		Corrected	
7.	Description of Work F	Replaced valve disc.						
8.	Tests conducted;	lydrostatic [:] Pn	eumatic N	ominal Operat	ing Pressure	Exemp	ot 🔽	
	C	Other Pre	essure	psi	Test Temp		۰F	
Of	her: n/a							
		• - • - •		1				

O. Damayla
9. Remarks
•
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Time Code Symbol Storm
Type Code Symbol Stamp
Certificate of Authorization No. 1/14 Expiration Date
Signed , ASME Program Engineer Date 5/30//2
Owner or Owner's Designee , Title
·
CERTIFICATE OF INSERVICE INSPECTION
1.00 - 1.00 is and helding a solid commission is said by the Nethern I Broad of Bailes and Barray Wester
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province ofMinnesota and employed
Inspectors and the State or Province of <u>Minnesota</u> and employed by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected
the components described in this Owner's Report during the period 19marc12 to 1850x12
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
proced ?. Wily Commissions NB 12085 A.N.I MN 21924
Inspector's Signature National Board, Province and Endorsements
Date \(\lambda\) une 18 , \(\lambda\) \(\lambda\) 12
(

Addenda Winter 66 Code Cases n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Component Name Manufacturer Nat'l Bd # Other ID Yr Built CR	2 Job No., etc	
Plant Prairie Island Nuclear Generating Plant Sheet 1 of Name 1717 Wakonade Dr. E, Welch Minnesota 55089 374924-23, 374918-05 Address Repair Organization P.O. No., 374918-05 Repair Organization P.O		
Name 1717 Wakonade Dr. E, Welch Minnesota 55089 Address Repair Organization P.O. No., . N/A N/A Address Address Expiration Date N/A Code Class 1 6. (a) Applicable Construction Code ASME III , 1965 Ed Addenda Winter 66 Code Cases n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Component Name Manufacturer Name Serial # Nat'l Bd # Other ID Yr Built CR	Job No., etc	
Name Same Authorization Address Authorization Date Authorization Date Avidatess Authorization Date Avidatess Authorization Date N/A Expiration Date N/A 1965 Edition of System SG Code Class 1 Addenda Winter 66 Code Cases n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Manufacturer Name Manufacturer Name Manufacturer Serial # Nat'l Bd # Other ID Yr Built R In	Job No., etc	
Name Same Authorization Address Expiration Date Aldress Code Class (a) Applicable Construction Code Addenda Winter 66 Code Cases Addenda Winter 66 Code Cases (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Component Name Manufacturer Name Manufacturer Name Nat'l Bd # Other ID Yr Built Replacement Name Replacement Name Nat'l Bd # Other ID Yr Built Replacement Name Name		
Address Address Address Code Class 1 6. (a) Applicable Construction Code ASME III , 1965 Ed Addenda Winter 66 Code Cases n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Component Name Manufacturer Nat'l Bd # Other ID Yr Built Cases In Name Serial # Nat'l Bd # Other ID Yr Built Cases In Name In Name Nat'l Bd # Other ID Yr Built Cases In Name In Name Nat'l Bd # Other ID Yr Built Cases In Name In Name In Nat'l Bd # Other ID In Name In Name In Name In Nat'l Bd # Other ID In Name In Name In Name In Nat'l Bd # Other ID In Name In Name In Name In Nat'l Bd # Other ID In Name In N		
4. Identification of System SG Code Class 1 5. (a) Applicable Construction Code ASME III , 1965 Ed Addenda Winter 66 Code Cases n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None 6. Identification of Components Component Name Manufacturer Nat'l Bd # Other ID Yr Built CR		
Addenda Winter 66 Code Cases n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Component Name Manufacturer Nat'l Bd # Other ID Yr Built Replacement Name Serial # Nat'l Bd # Other ID Repair Name Replacement Name Repair Nat'l Bd # Other ID Repair Name Repair Name Repair Nat'l Bd # Other ID Repair Name Repair Name Repair Nat'l Bd # Other ID Repair Name Repair Name Repair Nat'l Bd # Other ID Repair Name Repair Name Repair Nat'l Bd # Other ID Repair Name Repair Name Repair Name Repair Name Repair Nat'l Bd # Other ID Repair Name Repair		
Addenda Winter 66 Code Cases n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Component Name Manufacturer Nat'l Bd # Other ID Yr Built Cases In Name Serial # Nat'l Bd # Other ID Yr Built Cases In Name Serial # Nat'l Bd # Other ID Yr Built Cases In Name Name Name Nat'l Bd # Other ID Yr Built Case In Name Name Name Name Nat'l Bd # Other ID Name Name Name Name Name Nat'l Bd # Other ID Name Name Name Name Name Name Name Name		
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Component Name Manufacturer Nat'l Bd # Other ID Yr Built R It	dition/Addenc	la
(c) Applicable Section XI Code Cases None 6. Identification of Components Component Name Manufacturer Name Manufacturer Serial # Other ID Yr Built R It	_	
Name Serial #		
21 Steam Generator Westinghouse 1181 68-39 234-011 1968 C	Corrected, Removed, or Installed	ASME Code Stamp
	Corrected	V
22 Steam Generator Wesinghouse 1182 68-40 234-012 1968 C	Corrected	V
7. Description of Work Replace fasteners sets for primary hot leg stud holes 4, 6, 7, and 14 on the 21 SG are for stud holes 3 (cold leg) and 9 (hot leg) on the 22 SG.	nd the fastene	rsets
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt	V	
Other Pressure psi Test Temp.	• F	
Other: n/a		

ITEM 2-26-044
9. Remarks
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Type Code Symbol Stamp
Certificate of Authorization No Expiration Date
Signed , ASME Program Engineer Date 5/29/12
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected the components described in this Owner's Report during the period <u>22maz 12</u> to <u>19 Jun 12</u>
the components described in this Owner's Report during the period to19_UN 12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
Du signing this contificate weither the Increases we his social and a second size of the
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions NB 17085 A.N. MN 21924
Inspector's Signature National Roard Province and Englercoments
Q too winis
Date 19 , _2012
\smile

						•			ITEM 2-26-04	16	
1.	Owner	Xcel Energy	, NSP-M Nuc	lear Department		Date 4/19	/2012			•	
2.	Plant	Name ant Prairie Island Nuclear Generating Plant				Sheet	1	of	2		
•		1717 Wako		Name /elch Minnesota 550	089	. 418544-01					
3.	Address Work Performed by Owner						pair Organizati ymbol Stamp	on P.O. No., Job No., etc N/A			
. Sam			Same	Name	Authorization		N/A				
4.	Identific	: ation of Sys!		ddress		Expiration D Code Class	ate2	N/A			
5.	(a) Applicable Construction Code B31.1					1967		Edition/Addenda			
•	•	Addenda <u>n/a</u>					Code Cases n/a				
	(b) Applicable Edition of Section XI Utilized for Repair/Replacement				air/Replacement	nt Activity 1998E / 2000A					
6.		icable Section ation of Com	n XI Code Ca ponents	ases None				•			
	Compo	onent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	SB syst	lem snubber		BE			2-RBDH-602		Corrected		
7.	Descri	ption of Worl	k Replaced anchor nuts.								
8.	Tests o	onducted:	cted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt								
_	vit	_	Oti	her 🔠 · Pre	essure '	psi	Test Temp.		° F	,	
C	ther: n/a	d 									

ITEM 2-26-046 9. Remarks VT-3 exam recorded under Report # BOP-VT-12-004 CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization 186. **Expiration Date** ASME Program Engineer . Date Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota by HSB Insp. and Ins. Co. of Connecticut of Hall and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn.
the components described in this Owner's Report during the period 27 MAR 12 have inspected 200APR12 to and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection. AB 12085 A.N.I MN 21924 Commissions ector)s Signature National Board, Province and Endorsements Date

		<i>:</i>			•			ITEM 2-26-04	17	
1.	Owner	Xcel Energy, NSP-M	Nuclear Department		Date 5/	10/2012	•			
2.	Plant	Prairie Island Nuclear	Name Generating Plant		Sheet	1	of	2		
		1717 Wakonade Dr. I	Name E, Welch Minnesota	55089	454221-05,	EC-19795				
	•		Address		Repair Organization P.O. No., Job No., etc					
3.	Work Pe	erformed by Owner	· - · · · · · · · · · · · · · · · · · ·		Type Code	Symbol Stamp	N/A_			
		Same	Name		 Authorization Expiration Date 			N/A		
			Address							
4.	ldentific	cation of System	RC	•	Code Class	s 1				
5.	5. (a) Applicable Construction Code ASN			lass 1	1983	.		Edition/Addend	da	
		Adde	nda n/a		Code Case	es <u>n/a</u>		- 		
	(b) App	licable Edition of Sect	Edition of Section XI Utilized for Repair/Replace			1998E / 2000	DA			
	(c) Appl	licable Section XI Cod	e Cases None							
6.	Identific	cation of Components		· ·······			-			
	Compo	onent Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	RX Hea	ad Vent Orifice Bypass	Rockweil			2RC-8-33		Installed		
	RCGV	S Support		·		2-RCGV-1		Installed		
7.	Descri	cription of Work Install high point vent to remove non-condensable gases from the RCS. Increased the line and valve size to 1" and added new support.								
8.	Tests	conducted:	Hydrostatic [Pneumatic ☐ N	lominal Ope	rating Pressure	Exem	pt 🔽	•	
			Other	Pressure	ps	si Test Temp.	_	• F	•	
С	ther: n/	a -						 .		

Z-20-U41
9. Remarks
9. Kemarks
\cdot
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
(/)
Type Code Symbol Stamp
Certificate of Authorization Date
Signed (XCL ASME Program Engineer Date 5/10/12
Owner or Owner's Designee , Title
· Cwilet of Cwilet's Designee, Title
OF DIFFIGATE OF INCEDITION INCOME.
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period OS APR 12 to 14MAY 12.
the components described in this Owner's Report during the period
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions NB 12085 A.N.1 MN 01924
Inspector's Signature National Board, Province and Endorsements
Date May 14 Po12
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and the control of th

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

									ITEM 2-26-04	18	
1.	Owner	Xcel Energy	, NSP-M Nuc	clear Department		Date 6/26	6/2012				
2.	Plant	Prairie Islan	d Nuclear Ge	Name . enerating Plant		Sheet	1	of	. 2		
		1717 Wako	nade Dr. E, V	Name Velch Minnesota 550	089	367903-01					
	Address					Repair Organization P.O. No., Job No., etc					
3.	Work Performed by Owner					Type Code Symbol Stamp N/A					
	-		Same	Name	•	Authorization	on	N/A			
				Address		Expiration Date		N/A	N/A		
4.	Identific	ation of Syst	tem CC		•	Code Class	3				
5.	(a) Appli	(a) Applicable Construction Code ASME III, Class C				1968 Edition/Addenda				la	
	. Addenda n/a					Code Cases n/a					
	(b) Applicable Edition of Section XI Utilized for Repair/Replacem				air/Replacement	nt Activity 1998E / 2000A					
	(c) Appli	icable Sectio	n XI Code C	ases None							
6.	Identific	ation of Com	ponents	<u> </u>				-			
-	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	21 CC }	leat Exchang	er	Yuba	69G229-1C		235-031	1968	Corrected	Ø	
7.	Descrip	otion of Work	c Re	placed several cove	r or flange studs	and nuts.					
8.	Tests c	onducted: .	Hy	drostątic 🔲 . "Pne	eumatic N	ominal Opera	iting Pressure	☐ Exem	pt 🕢		
			Ot	her Pre	ssure	psipsi	Test Temp.		°F		
C	ther: n/a	a 									

11EW Z-20-U48
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. 10/14 Expiration Date
Signed
Owner or Owner's Designee , Title
·
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period OPAPRI2 to J7JUNI2 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 18085 2.2.1 ml 21924
Inspector's Signature National Board, Province and Endorsements
Date

ITEM 2-26-049 Xcel Energy, NSP-M Nuclear Department 4/28/2012 Owner Date Name Prairie Island Nuclear Generating Plant Sheet 1 Plant Name 1717 Wakonade Dr. E, Welch Minnesota 55089 418547-01 Repair Organization P.O. No., Job No., etc Address Work Performed by Owner Type Code Symbol Stamp N/A Name Authorization Same **Expiration Date** Address Code Class Identification of System VC (a) Applicable Construction Code B31.1 1967 Edition/Addenda Code Cases n/a Addenda n/a 1998E / 2000A (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity (c) Applicable Section XI Code Cases None 6. Identification of Components Component Name Manufacturer Manufacturer Nat'l Bd # Other ID Yr Built Corrected, ASME Removed, or Serial # Code Name installed Stamp 2-RCVCH-VC Line (2-2VC-17A) snubber Basic Engineering Corrected 1338 Description of Work Replaced snubber bolted connection with pinned connection. Nominal Operating Pressure | Exempt | Tests conducted: Hydrostatic [7] Pneumatic [Other 🦳 Test Temp. Pressure Other: n/a

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

	7-EW Z-26-U49
9. Remarks VT-3 exam recorded on report # BOP-VT-12-007	
	·
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this conforms to the requirements of the ASMI	E Code, Section XI.
Type Code Symbol Stamp 10/14	• •
Certificate of Authorization Na ₂₄ 10/4 Expiration Date	
Signed , ASME Program Engineer .Date 4/28/12	
Owner or Owner's Designee . Title	,
,	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and President	
Inspectors and the State or Province of	and employed have inspected
the components described in this Owner's Report during the period <u>ΙΦΑΡΔΙ2</u> to	_ DIMAY 12 ,
and state that to the best of my knowledge and belief, the Owner has performed examinations measures described in this Owner's Report in accordance with the requirements of the ASME	
,	•
By signing this certificate neither the Inspector nor his employer makes any warranty, concerning the examinations and corrective measure described in the Owner's Report.	
the Inspector nor his employer shall be liable in any manner for any personal injury of property	
any kind arising from or connected with this inspection.	,
Commissions NB 12085 A.N. 1 ml 31	924
Inspector's Signature National Board, Province and	Endorsements
Date	
	•

ITEM 2-26-050 5/24/2012 Owner Xcel Energy, NSP-M Nuclear Department Plant Prairie Island Nuclear Generating Plant Sheet Name 1717 Wakonade Dr. E, Welch Minnesota 55089 455253-01 Address Repair Organization P.O. No., Job No., etc 3. Work Performed by Owner Type Code Symbol Stamp N/A Authorization N/A Same **Expiration Date** N/A Address Identification of System CC Code Class AWS D1.1 (a) Applicable Construction Code n/a Edition/Addenda <u>n/a</u> ' Addenda Code Cases (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Manufacturer Manufacturer Nat'l Bd # Component Name Other ID Yr Built Corrected, ASME Serial # Name Removed, or Code Installed Stamp CC Line Support **Basic Engineering** 2-CCRH-48 Corrected Properly contoured the support to allow adequate clearance between pipe and support structural member. Description of Work Tests conducted: Hydrostatic [. Pneumatic [7] Nominal Operating Pressure | Exempt | Other [Pressure Test Temp. Other: n/a

ITEM 2-26-050
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No.
Signed KAL , ASME Program Engineer Date 5/24/12 ,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 2DAPR12 to 24MAY12
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
torio o
Confinissions No Confinissions
\ \ Inspector's Signature
Date

									11 EN 2-26-US	97	
1.	Owner	Xcel Energy,	NSP-M Nucl	lear Department		Date 6/25	/2012				
2.	Plant	Prairie Island		Name nerating Plant		Sheet	1	of	2		
		1717 Wakon		Name 'elch Minnesota 550	089	419873-04					
3.	Work Pe	rformed by	A Owner	ddress		•	oair Organizati ymbol Stamp	on P.O. No., Job No., etc			
			Same	Name		Authorization		N/A			
4.	ldentific	ation of Syste		ddress		Expiration Daniel Code Class	ate 2	N/A			
5.	(a) Appl	icable Constri	uction Code	n/a	<u> </u>	n/a	·	Edition/Addenda			
			.Addenda	n/a		Code Cases	n/a)A			
	(b) Appl	licable Edition	of Section	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000				
6.		Icable Section ation of Comp		ses None							
	Compo	onent Name	nent Name Manufacturer Name		Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	21 RHF	R Pump		Byron Jackson	681N0274		245-111		Corrected		
7.	Descri	ption of Work	Rej	placed the pump co	ver and mechanic	al seal gland p	late				
8.	Tests o	onducted:	Нус	drostatic Pno	eumatic N	ominal Operat	ing Pressure	Exem	pt 🗹		
			Oth	ner 🗌 Pre	essure	psi	Test Temp.		° F		
C	ther: IS	T testing per H	10.1								

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

11LW 2-20-U51
• m
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
· · · · · · · · · · · · · · · · · · ·
Type Code Symbol Stamp N/A
Certificate of Authorization No Expiration Date
Signed Signed , ASME Program Engineer Date 6/25/12 ,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
OLIVINIONILE OF INOLIVIOLINO LOTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 23 AP212 to 29 Jun 12
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
(Commissions 12085 A.N. MN 21924
Inspector's Signature National Board, Province and Endorsements
Transfer a signature
Date J9 , 2012

ITEM 2-26-052 Date 6/25/2012 Owner Xcel Energy, NSP-M Nuclear Department Name Plant Prairie Island Nuclear Generating Plant Sheet 1717 Wakonade Dr. E, Welch Minnesota 55089 446217-01 Address Repair Organization P.O. No., Job No., etc. 3. Work Performed by Owner Type Code Symbol Stamp N/A Name Authorization Same · **Expiration Date** Address Identification of System **Code Class** CL (a) Applicable Construction Code B16,34 n/a Edition/Addenda Code Cases n/a Addenda n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases Identification of Components Component Name Manufacturer Manufacturer Nat'l Bd# Other ID Yr Built Corrected, ASME Name Serial # Removed, or Code Installed Stamp 22 CLG PMP DSL Jacket CLG Bonney Forge 2CL-89-1 Installed FE 27321 ISOL Description of Work Replaced Valve Nominal Operating Pressure 🦳 Exempt 📈 Tests conducted: Hydrostatic [7] Pneumatic [Test Temp. ۰F Other | Pressure Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items . 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

7-Z0-U3Z
9. Remarks
•
CERTIFICATE OF COMPLIANCE
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Type Code Symbol Stamp N/A
Certificate of Authorization No. With Expiration Date
Centificate of Aathority House,
Signed () ASME Program Engineer Date 6/25/12
Owner or Owner's Designee , Title
Owner of Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
CENTIFICATE OF INSLITATION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 64MAY 12 to 63JUL12
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 1/685 A.A.1 MA 3/924
Anspector's Signature National Board, Province and Endorsements
National Board, 1 Tovince and Entitional Board, 1
Date July 47 2017
Date $\frac{2\mu y}{2}$ $\frac{47}{2}$ $\frac{2012}{2}$
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	-				,				ITEM 2-26-05	3		
1.	Owner	Xcel Energy, N	ISP-M Nuc	lear Department		Date 5/3	30/2012					
2. [`]	Plant	Prairie Island I		Name nerating Plant		Sheet	1	of	2			
		1717 Wakonad		Name /elch Minnesota 550	89	460147-01	_					
2	Mark Ba	rformed by O)wner	ddress			_		on P.O. No., Job No., etc			
J.	AAOIK PE			Name			Symbol Stamp	N/A				
		s	ame			Authorization			N/A			
				ddress		Expiration		N/A				
4.	Identific	ation of System	ı CL			Code Class	3 2					
5.	(a) Appli	icable Construc	tion Code	B31.1	<u> </u>	1967			Edition/Addend	la		
			Áddenda	n/a	· ·	Code Case	s <u>n/a</u>					
	(b) Appl	icable Edition o	of Section ^e	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000	Α .				
	(c) Appl	icable Section)	XI Code Ca	ses None			,					
6.	Identific	ation of Compo	nents	,				-				
	Compo	ponent Name		nent Name Manufacturer Name		Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	Piping Spool						2-1/2-2CL-37 / 4-2CL-37		Corrected	. 🗆		
7.	Descrip	otion of Work	Re	placed flange faster	ers.							
8.	Tests o	onducted:	Ну	drostatic Pne	eumatic N	ominal Oper	ating Pressure	Exem	pt 🕢			
			Otl	her 🗌 . Pre	ssure	ps	i Test Temp.		۰F			
Ot	her: n/a	a 					· · · · ·					

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

9. Remarks
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. 1 1/17 Expiration Date
Signed, ASME Program Engineer Date,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 22MAY12 to 31 MAY12 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
Commissions JB 1PORS A.N.1 MJ 21924
Inspector's Signature National Board, Province and Endorsements
Date May 31 2012

ITEM 2-26-054

1.	Owner	Xcel Energy,	NSP-M Nuc	lear Department		Date 6/14	1/2012					
2.	Plant	Prairie Island	l Nuclear Ge	Name nerating Plant		Sheet	1	of	2	 -		
		1717 Wakon	ade Dr. E, W	Name Velch Minnesota 55	5089	460351-06						
3.	Work Pe	rformed by	Owner	Address			pair Organizat		on P.O. No., Job No., etc			
			Same	Name		Authorization			N/A			
4	Identific	ation of Syste		Address		Expiration D Code Class	ate 1	N/A	N/A			
5.	(a) Appli	cable Constr	uction Code	B16.34	,	n/a		Edition/Addenda .				
			Addenda	n/a		Code Cases	n/a	·				
	(b) Appli	icable Edition	of Section	XI Utilized for Re	pair/Replacement	: Activity	1998E / 2000)A	· · · · · · · · · · · · · · · · · · ·			
	·(c) Appli	cable Section	1 XI Code C	ases None								
6.	Identific	ation of Com	ponents					-				
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'i Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp		
	Loop A Outlet	Hot Leg RTD I	Manifold	Rockwell			2RC-1-9		Corrected			
7.	Descrip	otion of Work	Ct	out and rewelded	canopy seal on valv	ve to facilitate i	nternal inspecti	on and trim	replacement.			
8.	Tests c	onducted:	Ну	drostatic 📋 🛮 Pi	neumatic N	ominal Opera	ting Pressure	Exem	pt 🗸			
			Ot	her 🗌 💮 🕈	ressure	psi	Test Temp.		• F			
0	ther: n/a	l										

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

9. Remarks
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CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. 14 Expiration Date
Signed, ASME Program Engineer Date,
Owner or Owner's Designee , Title
<u>.</u>
CERTIFICATE OF INSERVICE INSPECTION
SERVING WE ST MODITION TO THE STREET
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employee
the components described in this Owner's Report during the period 29my12 to 15uu12 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken correct
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or impli
by significant the manufacture in the map be of the map of the control of the con
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss any kind arising from or connected with this inspection.
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss any kind arising from or connected with this inspection. Commissions No 12085 A.A.I m.J. 21924
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss any kind arising from or connected with this inspection.
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss any kind arising from or connected with this inspection. Commissions National Board, Province and Endorsements
Inspector's Signature National Board, Province and Endorsements

ENCLOSURE 1

Amended Inservice Inspection Summary Report, Unit 1 Cycle 27

The Unit 1 Cycle 27 Inservice Inspection Summary report is amended with the following revisions.

The Section 3 Code Compliance Summary is revised to make the following corrections:

Item #	Description	Resolution
B3.100	Inconsistency between total required (0) and total scheduled (6).	Corrected
B7.70	Inconsistency between total scheduled (3) and number scheduled in the third period (2).	Corrected
B10.10	Inconsistency between total scheduled (0) and number scheduled in the third period (1).	Corrected
C3.30	Inconsistency between total scheduled (1) and number scheduled in the third period (0).	Corrected
C3.40	Inconsistency between total scheduled (1) and number total required (0).	Corrected

In addition to the above corrections, several editorial changes were made to clarify the intent of the table. Affected pages of the Code Compliance Summary table are attached.

Section 7 is revised to include an NIS-2 form for a repair replacement activity not previously reported. Affected pages of the Repair/Replacement Activities Summary table and the associated NIS-2 form 1-28-006 are attached.

The original Inservice Inspection Summary Report submitted March 29, 2013 is attached for reference.

Prepared by:	Tom Downing	Date:	7-10-2013
Approved by:	Tom Derning Tom Colombia Perer Brunsaan	Date:	7-16-2013
Concur:	Peter Brunsgaard Authorized Nuclear Inservice Inspector Gerald Daly	_ Date:	1070113

					,,,,,		,		.	Peri	od 3	:4::	
Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Sched 3rd Period	Comp 3rd Period	% Comp to date	
ACC NOZ	NRCIN9105		10 10	N/A	10 10	0	20 20	10 10	10 10	0	0	N/A N/A	Accumulator nozzles owner elected examination Done under PM.
В-А	B1.11	RR-4-1	3	100%	3	3	O	0	0	3	0	N/A	RV shell circ welds. Deferral to end of interval allowed per IWB-2500-1
В-А	B1.21	RR-4-1	1	100%	1	1	0	0	0	.1	0	N/A	RV bottom head weld. Deferral to end of interval allowed per IWB-2500-1
B-A Total:	B1.30		1 5	100%	1 5	1 5	0 0	0	0	1 5	0 0	N/A N/A	RV shell to flange weld. Deferral to end of interval allowed per N-623
B-B B-B	B2.11 B2.12		2 2	100% 100%	2 2	0	2 2	1	1 1	0 0	0 0	100% 100%	Pressurizer circ welds Pressurizer long welds
В-В	B2.40		4	50%	2	2	0	0	Ö	2	0	0%	SG tubesheet to head. One of each similar vessel. Class 1 tubesheet to head
B-B Total:	B2.60	RR-4-2	3 11	100%	3	3	15 4	6	6	3	3	N/A 67%	HX. VT-2 each outage per RR-4-2. Not included in count.
B-D	B3.100	N-648-1	6	100%	6	6		0	0	6	0	N/A	RV nozzle inside radius. Deferral to end of interval allowed per IWB-2500-1. Not included in count

Period 3 Total Total Comp to Comp 1st Comp 2nd | Sched 3rd Comp 3rd % Comp to Percent Code Case Population Required Required Total Sched Date Period. Period Period Period date Cat. Item No. Pressurizer nozzle full pen B-D B3.120 100% 2 60% SG nozzle full pen welds. B-D B3.140 100% 0 0 0 0 100% Class 1 HX full pen nozzles. VT-2 each outage per RR-4-B-D B3.160 RR-4-2 100% 30 12 12 6 6 N/A 2. Not included in count. Vessel full pen nozzle welds. Deferral to end of interval allowed per code case. Not included in B-D B3.90 6 100% 0 0 6 0 N/A count. Total Percentage completed for B3.120 and 27 78% B3.140. Other items NA. Total: Reactor Vessel Closure Head Bare Metal Examination. Augmented Examination required every 3rd outage. Not included 100% N/A B-E B4.30 0 0 in count. 0 Total: N/A RV nuts. Deferral to end of interval allowed per IWB-2500-1. Each component is B-G-1 100% N/A a set of 16.

										Peri	od 3		
Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Sched 3rd Period	Comp 3rd Period	% Comp to date	
											<u> </u>	:	
													Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. RCP bolts only when required by B-L-
B-G-1	B6.180		2	N/A	0	0	0	0	0	0	0	N/A	2. Not included in count.
			0.425	2212									Flange surface only required when disassembled. Not
B-G-1	B6.190		2	N/A	0	0	0	0	0	0	0	N/A	included in count.
B-G-1	B6.30		3	100%	3	1	2	1	1	1	0	N/A	RV studs. Deferral to end of interval allowed per IWB- 2500-1. Each component is a set of 16. RV ligaments. Deferral to
B-G-1	B6.40		1	100%	1	1	0	0	0	1	0	N/A	end of interval allowed per IWB-2500-1.
B-G-1	B6.50		3	100%	3	1	2	1	1	1	0	N/A	RV washers. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16.
													Deferral allowed for
Total:			14		10	4	6	3	3	4	0	N/A	all items.
B-G-2	B7.20		1	100%	1	0	1	0	1	0	0	100%	Pressurizer studs.
B-G-2	B7.30		4	100%	4	0	4	1	1	0	2	100%	SG studs.
B-G-2	B7.50		11	N/A	0	1	10	3	4	1	3	N/A	Flange bolting only if disassembled or bolting removed. Not included in count.
B-G-2	B7.60		4	N/A	0	0	1	1	0	0	0	N/A	Pump bolting only required when required by B-L-2. Not included in count.

Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Peri Sched 3rd Period	od 3 Comp 3rd Period	% Comp to date	
B-G-2	B7.70		19	N/A	0	2	8	5	3	2	0	N/A	Valve bolting only required when required by B-M-2. Not included in count.
Total:			39		5	0	5	1	2	0	2	100%	Total Percentage completed for B7.20 and B7.30. Other items NA.
в-К	B10.10		6	N/A	2	1	1	1	0	1	0	50%	Vessel attachments only one attachment of one of multiple similar vessels.
В-К	B10.20		46	10%	5	1	5	2	3	1	1	100%	Pipe attachments.
B-K	B10.30	processor supersylvensia postanova superior	3	10%	1	0	1	0	1	0	0	100%	Pump attachments.
Total:			55		8	2	7	3	4	2	1	88%	
B-L-1	B12.10		1	50%	1	. 1	0	0	0	1	0	N/A	Pump casing welds limite to one pump in each grou of similar pumps. Deferra to end of interval or disassembly for maintenance allowed.
Total:		Hall to the	1		1	1	0	0	0	1	0	N/A	
B-L-2	B12.20		2	N/A	0	0	0	0	0	0	0	N/A	Pump casing limited to on pump in each group of similar pumps. Only required when disassembled.
Total:			2		0	0	0	0	0	0	0	N/A	
B-M-2	B12.50		19	N/A	0	0	3	1	1	0	Ť	N/A	Valve body interior limited to one valve in each of 9 groups once each interval Only required when valve disassembled.

			Peri										
	% Comp to date	Comp 3rd Period	Sched 3rd Period	Comp 2nd Period	Comp 1st Period.	Total Comp to Date	Total Sched	Total Required	Percent Required	Population	Code Case	Item No.	Cat.
	N/A	1	0	1	1	3	0	0		19	te de la company		Total:
RV interior all accessible areas to be examined or each period.		0	1	1	1	2	1	1	100%	1		B13.10	B-N-1
	N/A	0	1	1	1	2	1	1		1			Total:
RV interior attachments beltline. Deferral to end interval allowed per IWE 2500-1		0	1	0		. 0	1	1	100%	1		B13.50	B-N-2
RV interior attachments beltline. Deferral to end interval allowed per IWE 2500-1		0	1	0	0		1	1	100%	1		B13.60	B-N-2
	N/A	0	2	0	0	0	2	2		2			Total:
Core support structure. Deferral to end of interv allowed per IWB-2500-	N/A	0	1	0	0	0	1	1	100%	1		B13.70	B-N-3
	N/A	0	1	0.7	0	- 0	1	1		1			Total:
10% ot outside Control welds. Deferral allowed IWB-2412(a)3. Replace 1st period w/ new RV he	N/A	0	4	0	0	0	4	4		66 66		B14.10	B-O
	N/A	0	4	0	0	0	4	4		66			Total:
Two pressure test procedures each outage Bare metal visual of RV bottom head every 2nd outage.	N/A	2	2	4	4	. 10	2	2	100%	2	Multiple	B15.00	B-P
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NEW TOTAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN 1997	3	to description of the second and the	Tolks is realized and described with their	Total:

										Peri	od 3		
Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Sched 3rd Period	Comp 3rd Period	% Comp to date	
C-A	C1.10		2	50%	1	0	1	0	0	0	1 (L)	100%	Welds at gross structural discontinuity only. One vessel of similar vessels.
C-A	C1.20		4	50%	2	0	2	1	1	0	0	100%	Head circ welds. One vessel of multiple vessels.
C-A	C1.30		2	50%	1	0		1	0	0	0	100%	Tubesheet to shell welds. One vessel of multiple
Total:	C1.30		2 8	50%	4	0	1	1 2	1	0	1(L)	100%	vessels.
TO(a).			0	and the second second	7	U	7 11 11 11	<u> </u>		Table to the second second	I(L)	10076	
С-В	C2.21		2	50%	1	o	1	0	0	0	1	100%	Nozzle to shell. One of multiple vessels.
С-В	C2.22		2	50%	1	0	_ 1	0	1	0	0	100%	Nozzle inside radius. One of multiple vessels.
С-В	C2.31		4	50%	2	0	2	1	0	0	1	100%	Reinforcing plates. One of multiple vessels.
Total:			8		4	0	4	1	1	0	2	100%	
C-C	C3.10		12	N/A	2	0	. 2	1	0	0	1 (L)	N/A	Vessel attachment welds. One of similar vessels.
C-C	C3.20		115	10%	12	5	7	3	4	5	o o	58%	Piping weld attachments
C-C	C3.30		16	N/A	2	0	2	0	0	0	2	N/A	Pump weld attachments
C-C	C3.40		2	N/A	1	1	0	0	0	1	Ō	N/A	Valve weld attachments
Total:			145		12	5	7	3	4	5	0	58%	
С-Н	C7.00	N-533-1	14	100%	14	7	35	14	14	7	7	N/A	Class 2 pressure tests completed once each period Some completed after outage.
Total:			14		14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
				# 8 (Carlot Americk Com		L	I			as a second contract of the second	L		
D-A	D1.10		8	50%	4	0	4	1	1	0	2	100%	Vessel attachment welds
D-A	D1.20		82	10%	9	3	6	2	3	3	1	67%	Pipe attachment welds
D-A	D1.30		0	10%	0	0	0	0	0	0	0		Pump attachment welds.

		Sched 3rd	0									
90 13 3 10 3 4 3 3 77%	a renou								Population	Code Case	Item No.	Cat.
	3	3	4	3	10	3	13	nn	90			Total:
								100%	7 7	Multiple	D2.10	D-B Total:
Class 1 pipe supprise to the control of the control	. 2	2	4	4	10	2	12	25%	45		F1.10a	F-A
Class 1 pipe supp. 94 25% 24 7 17 8 8 7 1 71% multidirectional	· 1	7	8	8	17	7	24	25%	94		F1.10b	F-A
Class 1 pipe supp thermal movemen 65 25% 16 2 14 5 5 2 4 82% (springs).	4	2	5	5	14	2	16	25%	65		F1.10c	F-A
Class 2 pipe supp	2	4	6	5	13	4	16	15%	106		F1.20a	F-A
Class 2 pipe supp		4	4	4	9	4	12	15%	80		F1.20b	F-A
Class 2 pipe supp thermal movemen			¥						57		F1.20c	F-A
Class 3 pipe supp									213		F1.30a	F-A
Class 3 pipe supp 04 10% 11 3 8 3 4 3 1 72% multidirectional	1	3	4	3	8	3	11	10%	104		F1.30b	F-A
	1	0	2	2	5	0	5	10%	45		F1.30c	F-A
Other supports Cl. MC. Not included 78 N/A 39 2 43 19 11 2 13 N/A count.	12		11	10	43	2	30	N/A	78		F1.40	F-A
							CANCEL CANCEL CONTRACTOR OF THE PARTY OF THE	IWA	887		2011	Total:

										Peri	od 3		
Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Sched 3rd Period	Comp 3rd Period	% Comp to date	
R-A	R1.16-2		2	25%	1	0	1	1	0	0	0	100%	PWSSC high risk (pressurizer nozzle)
R-A	R1.16-5		4	10%	1	0	0	1(L)	0	0	0	100%	SCC high risk. Completed one limited examinaiton. Relief request 1-RR-4-6.
44.00				10.20					120				SCC medium risk. Not
R-A	R1.18-6		8	0%	0	0	0	0	0	0	0	N/A	included in count.
R-A	R1.19-5		4	10%	1	0	1	0	0	0	1	100%	ECSCC medium risk
													Not subject to damage
R-A	R1.20-4		774	10%	78	2	76	22	27	2	27	97%	medium risk
									::			3.	Not subject to damage low risk. Not included in
R-A	R1.20-6		673	0%	0	0	0	0	0	0	0	N/A	count.
													Not subject to damage low
									d a				risk. Not included in
R-A	R1.20-7		28	0%	0	0	0	0	0	0	0	N/A	count.
Total:			1623		107	2	105	37	35	3	34	98%	

Item #	WO, EEC, MOD #s	Description of Work Completed	SYSTEM	Code
1-27-029	357044-01, 357044-09, EC-21085	Restored base material eroded due to bent bar rubbing at support. Support modified to bring it into specified design.	VC	1
1-27-030	434353-05	Replaced piston.	SN	yes
1-27-031	436913-01, EC-13768	Replaced internal trim including the plug.	AF	3
1-27-033	434079-07, EEC-1096	Replaced existing Superbolt nut like-for-like due to damage during removal.	MS	2
1-27-034	359738-01	Replaced valve internals.	MS	2
1-27-035	395735-04	Replaced secondary manway cover fastener set at hole #10.	SG	2
1-27-037	416694-01	Replaced the valve disc and body to cover fasteners.	SI	1
1-27-038	387807-01	Replaced mechanical seal.	RH	2
1-27-039	407259-16	Plugged tubes in Heat Exchanger.	RH	2
1-27-040	416695-01	Replaced the valve disc.	SI	1
1-27-041	467445-01	Replaced body to bonnet fasteners.	RH	1
1-27-042	406143-01	Replaced inlet flange fasteners.	RH	2
1-27-043	467778-01, EC-21095	Replaced piping segment and associated flange fasteners.	CL	3
1-27-044	372187-05	Replaced 2 manway fastener sets.	cc	3
1-27-045	434080-01	Replaced existing Superbolt nuts like-for-like due to damage during removal.	MS	2
1-27-046	434078-01	Replaced existing Superbolt nuts like-for-like due to damage during removal.	MS	2
1-27-047	399970-01, IEE 2011-099	Replaced disc with stronger material.	AF	3
1-27-048	414263-01, IEE-2012-123	Replace the valve plug.	VC	2
1-27-049	468512-01, EC-21134	Installed flush patch to restore pipe corroded due to MIC.	CL	3
1-27-051	398397-01	Replaced body to bonnet fastener set.	RH	2
1-27-052	396243-03	Replaced inlet flange nut.	RC	1
1-27-053	422883-01	Replaced the flange fasteners due to corrosion.	CL	3
1-27-054	459748-01	Tack welded plug to plug nut due to the valve stem replacement.	MS	2
1-27-055	467950-01	Replaced CC piping support eye rod to meet the designed configuration.	cc	3
1-27-056	469996-01	Cut out and rewelded pipe to fitting to attain proper flange to flange alignment.	RC	1
1-27-057	468269-01	Shortened pipe section to obtain the proper slope condition.	RC	1
1-27-058	470096-01, EEC-1554	Replaced bonnet assembly.	VC	2
1-28-006	433767-01	Replaced disc.	RC	1

ITEM 1-28-006

1.	Owner	NSPM d/b/a >	cel Energy			Date 5/20)/2013			
2.	Plant	Prairie Island		Name nerating Plant		Sheet	1	of	2	
		1717 Wakona		Name /elch Minnesota 550	089	433767-01, II	EE-2010-044			
3.	Work Pe	rformed by	A Owner	ddress					o., Job No., etc	
		•		Name		Authorizatio	symbol Stamp n	N/A N/A		
4.	Identific	- ation of Syste	-	ddress		Expiration D Code Class	ate 1	N/A	<u></u>	
5.	(a) Appli	icable Constru	ction Code	B16.34	,	n/a			Edition/Addeno	la
			Addenda	n/a		Code Cases	n/a			
	(b) Appl	icable Edition	of Section	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000	A	<u>, </u>	
	(c) Appli	icable Section	XI Code Ca	ses None				_		
6.	Identific	ation of Comp	onents					_		
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	1 PRZR	PORV ISOL B	MV	Velan			MV-32196		Corrected	
7.	Descrip	otion of Work	Re	olaced valve disc se	et.					
8.	Tests c	onducted:	Нус	drostatic Pn	eumatic N	ominal Opera	ting Pressure	Exem	pt 🔽	
_	othow n/s		Oth	ner 🗌 Pre	essure	psi	Test Temp.		°F	
C	ther: n/a	1 				<u> </u>				

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

11 ^{EIW} 7-28-006
). Remarks
. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
//.
Type Code Symbol Stamp N/A
Certificate of Authorization No. 7 - N/A Expiration Date
Signed, ASME Program Engineer Date
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
OLIVII IOME OF MOLIVIOL MOI LOTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of <u>Minnesota</u> and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 31MAY 13 to 31MAY 13,
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied.
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
(of bused ? larly Commissions 1 2085 A.N. 1 MM 21924
Vnspector's Signature National Board, Province and Endorsements
Date $\sqrt{\frac{21}{2013}}$



MAR 2 9 2013

L-PI-13-027 10 CFR 50.55a

U S Nuclear Regulatory Commission ATTN: Document Control Desk Washington, DC 20555-0001

Prairie Island Nuclear Generating Plant Unit 1 Docket 50-282 Renewed License No. DPR-42

Inservice Inspection Summary Report, Interval 4, Period 3, Outage 1, Refueling Outage Dates: 10-23-2012 to 01-02-2013 Unit 1, Fuel Cycle 27: 06-12-2011 to 01-02-2013

Pursuant to 10CFR50.55a, Northern States Power Company, a Minnesota corporation, doing business as Xcel Energy (hereafter "NSPM"), submits the report for the 2012 Prairie Island Nuclear Generating Plant (PINGP) Unit 1 refueling outage. An inservice inspection (ISI) examination was conducted for the third period of the fourth interval. Enclosure 1 is a copy of the ISI examination summary report for this period.

The summary report is being submitted in accordance with the PINGP American Society of Mechanical Engineers (ASME) Code Section XI ISI Program and is intended to satisfy the inspection reporting requirements contained in IWA-6230 of the ASME Boiler and Pressure Vessel Code.

The report identifies components examined; the examination methods used; the examination number; and summarizes the results. All anomalies were either corrected or an engineering evaluation was performed to accept "as-is" conditions. A description of repair/replacement activities and the corresponding work order numbers are provided in Section 8 of the enclosure.

Summary of Commitments

This letter contains no new commitments and no revisions to existing commitments.

James Bukynch

Site Vice President, Prairie Island Nuclear Generating Plant

Northern States Power Company - Minnesota

Document Control Desk Page 2

Enclosure

CC:

Administrator, Region III, USNRC Project Manager, PINGP, USNRC Resident Inspector, PINGP, USNRC Chief Boiler Inspector, State of Minnesota

ENCLOSURE 1

Inservice Inspection Summary Report, Interval 4, Period 3, Outage 1, Refueling Outage Dates: 10-23-2012 to 01-02-2013
Unit 1, Fuel Cycle 27: 06-12-2011 to 01-02-2013

XCEL ENERGY PRAIRIE ISLAND NUCLEAR GENERATING PLANT 1717 WAKONADE DRIVE EAST WELCH, MINNESOTA 55089

OPERATED BY:
NORTHERN STATES POWER COMPANY – MINNESOTA
414 NICOLLET MALL, MINNEAPOLIS, MN 55401

INSERVICE INSPECTION SUMMARY REPORT INTERVAL 4, PERIOD 3, OUTAGE 1 REFUELING OUTAGE DATES: 10-23-2012 TO 01-02-2013 UNIT 1, FUEL CYCLE 27: 06-12-2011 TO 01-02-2013

COMMERCIAL SERVICE DATE: DECEMBER 16, 1973

Prepared by:	Thorpoo Spowning	Date: 3/22/2013
Approved by:	Tom Downing Peler Brunsgaary	Date: 3/27/28 13
	Program Engineering Manager, Xcel Energy. Peter Brunsgaard	

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Table of Contents

		Number of Pages
Section 1.	Discussion	2
Section 2.	Form NIS-1, Owner's Report for Inservice Inspection	3
Section 3.	ISI Examinations	20
Section 4.	IWE Examinations	2
Section 5.	Pressure Tests	2
Section 6.	Snubber Inservice Testing and Preservice Examinations	4
Section 7.	Steam Generator Eddy Current Examination Results	1
Section 8.	Repair/Replacement Activities for Fuel Cycle 27	95

Section 1. Discussion

1.0 INTRODUCTION

This summary report identifies the components examined, examination methods used, the examination number and summarizes the results of examinations performed during the 1st outage, 3rd period, 4th interval for unit 1 fuel cycle 27. The 4th inspection interval is based on the examination requirements of the ASME Boiler and Pressure Vessel Code Section XI, 1998 Edition with 2000 Addenda, with limitations and modifications as required by Title 10 of the Code of Federal Regulation, Part 50.55a.

2.0 PERSONNEL

Visual and nondestructive examinations were performed by Xcel Energy/Northern States Power Company - Minnesota and Lambert Macgill & Thomas (LMT). The Hartford Steam Boiler Inspection and Insurance Company of Connecticut provided the Authorized Inspection services. Examination personnel certifications are maintained on file by Northern States Power Company - Minnesota.

3.0 INSPECTION SUMMARY

Examination results indicate that plant system integrity has been maintained.

Section 3 lists the Class 1 and Class 2 components examined, examination number and summary of the examination results performed during unit 1 cycle 27. Indications and disposition are as noted in the included table. There were two limited examinations of the 12 RHR heat exchanger that will require relief requests. The number and percentage of examinations or tests completed for the interval are also included in this section as required by IWA-6220(f).

Section 4 contains the IWE Class MC components examined, the examination number and summary of the examination results performed during unit 1 cycle 27. The second IWE interval (September 10, 2008 to September 9, 2018) is based on the examination requirements of ASME Section XI, Subsection IWA and IWE, 2001 Edition through the 2003 Addenda with limitations and modifications as required by Title 10 of the Code of Federal Regulation, Part 50.55a. The number and percentage of IWE examinations are also included in this section as required by IWA-6220(f). There were no indications of the containment vessel requiring evaluation, corrective actions, nor successive or augmented examinations. The moisture barrier showed several minor indications of lack of adhesion or tears ranging up to 7 inches long. These indications were accepted by repair. It should be noted minor refueling cavity leakage was reported in the regen heat exchanger room (AR 01358888). There was no indication this leakage contacted the

containment vessel and no conditions in accessible areas that could indicate the presence of or result in degradation to inaccessible areas.

Section 5 contains a summary of completed and scheduled pressure tests for the third period. All indications of leakage were evaluated and corrective measures performed as required by IWB-3142, IWC-3132 and IWA-5250.

Section 6 contains the Snubber inspection results. There were a total of 21 snubbers scheduled for testing in 1R28. All snubbers that under went functional testing had satisfactory results. Issues identified by visual inspection were addressed by minor maintenance.

Section 7 addresses the Eddy Current examination results of the 11 and 12 Steam Generators tubes.

Section 8 contains 47 Repair/Replacement activities completed under the 4th Interval during the unit 1 cycle 27.

4.0 EXAMINATON REPORTS, EQUIPMENT AND MATERIALS

The inservice inspection reports in Sections 3 and 4 contain references to procedures, equipment, and materials used to complete the specific examinations. Copies of the examination reports, examination procedures, and equipment records are available from Northern States Power Company Minnesota.

Sections 3 and 4 may contain several abbreviations which are identified below:

AR = Action Request

CAP = Corrective Action Process

CE = Condition Evaluation

GEO = Geometry, evaluation of indication

OPR = Operability Recommendation

IN = Information Notice

IND = Indication requires further evaluation

NAD = No Apparent Defects

SE = Safety Evaluation

WO = Work Order

WR = Work Request

NSPM PRAIRIE ISLAND UNIT 1 CYCLE 27

INSERVICE INSPECTION SUMMARY REPORT

Section 2. NIS-1 (2 pages attached)

NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS (As required by the Provisions of the ASME Code Rules)

I. Owner: NSPM d/b/a Xcel Energy, 414 Nicollet Manne and Ac	all, Minneapolis, MN 55401 ddress of Owner)
	1717 Wakonade Drive E, Welch, Minnesota 55089 ddress of Plant)
3. Plant Unit	1
4. Owner Certificate of Authorization (if required)	N/A
5. Commercial Service Date	12/16/1973
6. National Board Number for Unit	N/A
7. Components Inspected: Partial list of major comp	ponents. See section 3.

Component or Appurtenance	Manufacturer or Installer	Manufacturer of Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel Head	Mitsubishi Heavy Inds.	B-VH-N11		5855
Reactor Vessel	Creuot-Loire	686	MINN-200-51	
Pressurizer	Westinghouse	1111		68-20
11 Steam Generator	Framatome ANP	GV/PI291		161
12 Steam Generator	Framatome ANP	GV/PI292		162
11 Reactor Coolant Pump	Westinghouse	W515		
12 Reactor Coolant Pump	Westinghouse	W516		
11 RHR Heat Exchanger	Joseph Oats & Sons	1817-1A		340
12 RHR Heat Exchanger	Joseph Oats & Sons	1817-1B .		341
11 RHR Pump	Byron Jackson			
12 RHR Pump	Byron Jackson			
11 Safety Injection Pump	Bingham			
12 Safety Injection Pump	Bingham			
11 Accumulator Tank	Delta Southern	41038-70-1		2554
12 Accumulator Tank	Delta Southern	41038-70-2		2555
Containment Vessel	CBI			

8. Examination Dates:	06/12/2011	to _	01/02/2013		
9. Inspection Period Identification:	CISI (2 nd Period) 9/10/2011 ISI (3rd Period) 12/21/2011	to	9/9/2015 12/20/2014		

CIS	l (2 nd Interval) 9	/10/2008		9/9/2018				
10. Inspection Interval Identification:	(4th Interval) 1		to _	12/20/2014				
11. Applicable Edition of Section XI	1998 E. 2000 Addenda and 2001 E. 2003 Addenda (CISI)							
12. Date/Revision of Inspection Plan:	Date/Revision of Inspection Plan: 02/19/13, Revision 14 and 10/26/2012 Revision 9 (CISI)							
13. Abstract of Examination and Tests. status of work required for the Inspe		examinations a	and tests and	statement concerning				
See Sections 3 through 7				•				
14. Abstract of Results of Examinations	and Tests							
See Sections 3 through 7								
15. Abstract of Corrective Measures								
See Sections 3 through 8								
We certify that a) that the statements me the Inspection Plan as required by the A conform to the rules of the ASME Code, Certificate of Authorization No. (if applica-	SME Code, Sec Section XI.	ction XI, and c)						
Date 3-21-2013 Signed By	Owner	Downing		· · · · · · · · · · · · · · · · · · ·				
I, undersigned, holding a valid commission issued provinces of	FICATE OF INSI by the National Boa			pectors and the State or				
Minnesota and employed by	Hartford Steam	Boiler Inspection	on and Insurar	nce Company of				
_Connecticut have inspected the co	mponents described	I in this Owner's R	eport during the p	eriod				
06/12/2011 to 01/02/2013 performed examinations and tests and taken corre and as required by the ASME Code, Section XI.	, and ctive measures des	I state that to the b cribed in this Owne	est of my knowled r's Report in acco	ige and belief, the Owner has ordance with the inspection plan				
By signing this certificate neither the Inspector nor examinations, tests, and corrective measures describe liable in any manner for any personal injury or p	ribed in this Owner	s Report. Furtheir	nore, neither the I	nspector nor his employer shall				
Gerald R. Daly	Commissions	12085 A,N,I I	MN 21924	d Endorsements				
Geyalu N. Daly		ivational board, S	tate, Province, an	u Endoischients				
Date: 22mAR 13		-						

Section 3. ISI Examinations (19 pages attached)

The following table summarizes the ISI inspections performed in cycle 27. Inspections are listed by class, category and site summary number. Inspections that identified indications or were limited are bold with a brief summary of the indication, corrective actions and corrective action process (AR) number as appropriate. Indications consisted primarily of minor leakage and minor support indications. One snubber showed low reservoir level which was accepted by corrective action. There were two limited examinations on the 12 RHR heat exchanger which will require relief requests. The second table lists the number and percentage of examinations completed as required by IWA-6220(f).

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Unit 1 Cycle 27, 06-12-2011 to 01-02-2013 Inservice Inspection Report Interval 4, Period 3, PI1RFO2012

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A

5. Commercial Service Date: 12/16/1973

6. National Board Number for Unit: N/A

Summary N	No. Comp. ID	Comp. Desc.		Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
Class 1 301077	Category B-B W-1	Tubesheet to Head		B2.60	FP-PE-NDE- 520	VT / 2013V001 / NAD	vc	ISI-44	12/29/2012	ISI
301078	W-2	Tubesheet to Head		B2.60	FP-PE-NDE- 520	VT / 2013V002 / NAD	vc	ISI-44	12/29/2012	ISI
301079	W-3	Tubesheet to Head		B2.60	FP-PE-NDE- 520	VT / 2013V003 / NAD	vc	ISI-44	12/29/2012	ISI
Class 1	Category B-D)					1			
303030	N-1 IR	NOZZLE - HX		B3.160	FP-PE-NDE- 520	VT / 2013V004 / NAD	vc	ISI- 44	12/29/2012	ISI
303031	N-2IR	HX - NOZZLE	, ,	B3.160	FP-PE-NDE- 520	VT / 2013V005 / NAD	VC	ISI-44	12/29/2012	ISI
303032	N-3IR	NOZZLE - HX	•	B3.160	FP-PE-NDE- 520	VT / 2013V006 / NAD	vc	ISI-44	12/29/2012	ISI
303033	N-4IR	HX - NOZZLE		B3.160	FP-PE-NDE- 520	VT / 2013V007 / NAD	VC	ISI -44	12/29/2012	ISI
303035	N-5IR	NOZZLE - HX	·	B3.160	FP-PE-NDE- 520	VT / 2013V008 / NAD	VC	ISI -44	12/29/2012	ISI
303037	N-6IR	HX - NOZZLE		B3.160	FP-PE-NDE- 520	VT / 2013V009 / NAD	vc	S -44	12/29/2012	ISI
303070	N-4BIR	SAFETY NOZZLE		B3.120	SWI NDE-UT- 14	UT / 2012U066 / NAD	RC	ISI-42	11/10/2012	ISI
Class 1	Category B-0	3-2	1							
300123	B-1	BOLTS, STUDS, NUTS		B7.70	FP-PE-NDE- 510	VT / 2012V126 / NAD	·SI	ISI-2	11/16/2012	ISI
300124	B-2	BOLTS, STUDS, NUTS		B7.70	FP-PE-NDE- 510	VT / 2012V128 / NAD	SI	ISI-2	11/17/2012	PSI
300411	B-2	4 ORIFICE BOLTS		B7.50	FP-PE-NDE- 510	VT / 2012V107 / NAD	VC	ISI-11A	11/1/2012	ISI

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Unit 1 Cycle 27, 06-12-2011 to 01-02-2013 Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

1356557

3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A

5. Commercial Service Date: 12/16/1973

Summary No	. Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
300612	B-1	VALVE BOLTING	B7.70	FP-PE-NDE- 510	VT / 2012V132 / NAD	RH	ISI-19A	11/23/2012	PSI
300651	B-1	VALVE BOLTING	B7.70	FP-PE-NDE- 510	VT / 2012V129 / NAD	RC	ISI-24	11/21/2012	PSI
				FP-PE-NDE- 510	VT / 2012V140 / NAD	RC	ISI-24	11/26/2012	PSI
300660	B-1	ORIFICE BOLTS	B7.50	FP-PE-NDE- 510	VT / 2012V109 / NAD	RC ·	ISI-21	11/1/2012	ISI
300895	B-1	FLANGE BOLTING	B7.50	FP-PE-NDE- 510	VT / 2012V144 / NAD	RC .	ISI-29A	12/6/2012	PSI
302902	B-1	FLANGE BOLTS	B7.50	FP-PE-NDE- 510	VT / 2012V114 / NAD	VC	ISI-1F	11/3/2012	ISI
390166	B-1	Inlet Manway Bolts (20)	B7.30	FP-PE-NDE- 510	VT / 2012V123 / NAD	SG	ISI-43B	11/14/2012	ISI
390167	B-2	Outlet Manway Bolts (20)	B7.30	FP-PE-NDE- 510	VT / 2012V122 / NAD	SG	ISI-43B	11/14/2012	ISI
Class 1	Category B-K	ζ							
320145	H-3/IA	Int. Attach[DOUBLE SPRING]	B10.20	SWI NDE-PT-1	PT / 2012P003 / NAD	RC	ISI-3A	11/5/2012	ISI
	Category B-N	1-2					1		
302904	V-2	VALVE INT SURFACES	B12.50	FP-PE-NDE- 530	VT / 2012V127 / NAD	SI	ISI-2	11/15/2012	ISI
Class 1	Category B-P	(See Section 5 for Pressure Tests)		ţ			•		
370025	SP 1070	Reactor Coolant System Integrity Test	B15.00	FP-PE-NDE- 520	VT / 2013V010 / IND	RC, SI, VC, RH	SP 1070	12/29/2012	ISI
Comments:	Minor fitting	g leak downstream of VC-16-18 found prio	r to NOP. Non	•	on AR 1364677.				A Section of Section S
370026	SP 1392	Unit 1 RCS Bolting Inspection	B15.00	FP-PE-NDE-	VT / 2012V150 / IND	RC, SI, VC, RH	Reference SP	10/27/2012	ISI
Comments:	Body to Bo	nnet indications accepted by evaluation A	R 1356844, 13		ccepted by corrective action A	R 1357508. Body to bo		cepted by evalua	ation AR

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Unit 1 Cycle 27, 06-12-2011 to 01-02-2013 Inservice Inspection Report Interval 4, Period 3, PI1RFO2012

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A

5. Commercial Service Date: 12/16/1973

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
370032	RV BMI	Bare Metal Visual on Bottom of RV	B15.80	FP-PE-NDE- 520	VT / 2012V148 / NAD	RV	SP 1421	12/13/2012	ISI
Class 1 C 300281	ategory F-A H-3	SPRING CLAMP	F1.10c	FP-PE-NDE- 530	VT / 2012V115 / NAD	RC	ISI-5D	11/3/2012	ISI
300325	H-3	SPRING HANGER	F1.10c	FP-PE-NDE- 530	VT / 2012V108 / IND	RC	ISI-7	11/1/2012	ISI
Comments:	Misplaced n	narkers accepted by evaluation AR 13579	56.	000					
300430	H-3	RESTRAINT/CLAMP	F1.10b	FP-PE-NDE- 530	VT / 2012V105 / NAD	VC	ISI-11B	11/1/2012	ISI
300454	H-6	ROD/CLAMP	F1.10a	FP-PE-NDE- 530	VT / 2012V106 / NAD	VC	ISI-11C	11/1/2012	ISI
300593	н-9	SPRING CLAMP	F1.10c	FP-PE-NDE- 530	VT / 2012V111 / NAD	SI	ISI-18	11/2/2012	ISI
300611	H-8	RUPTURE RESTRAINT	F1.10b	FP-PE-NDE- 530	VT / 2012V110 / NAD	RH	ISI-19A	11/2/2012	ISI
300762	H-1	SPRING/CLAMP	F1.10c	FP-PE-NDE- 530	VT / 2012V095 / NAD	RC	ISI-25	10/27/2012	ISI
300835	H-1	LATERAL RESTRAINT	F1.10b	FP-PE-NDE- 530	VT / 2012V146 / NAD	vc	ISI-27B	12/8/2012	PSI
300836	H-1	RIGID HANGER	F1.10a	FP-PE-NDE- 530	VT / 2012V094 / NAD	vc	ISI-27C	10/27/2012	ISI
302984	H-2	SNUBBER 2	F1.40	FP-PE-NDE- 530	VT / 2012V119 / NAD	SG	ISI-43C	11/9/2012	PSI
303005	H-2	SNUBBER 2	F1.40	FP-PE-NDE- 530	VT / 2012V118 / IND	SG ;	ISI-43D	11/9/2012	PSI
Comments:	IND of low I	evel accepted by corrective action AR 13	58635			·			
350200	H-13	SG # 11 Column 1	F1.40	FP-PE-NDE- 530	VT / 2012V137 / NAD	SG	ISI-43C	11/26/2012	ISI

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Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report Interval 4, Period 3, PI1RFO2012

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A

5. Commercial Service Date: 12/16/1973

Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
H-14	SG # 11 Column 2	F1.40	FP-PE-NDE- 530	VT / 2012V138 / NAD	SG	ISI-43C	11/26/2012	ISI
H-15	SG # 11 Column 3	F1.40	FP-PE-NDE- 530	VT / 2012V135 / NAD	SG	ISI-43C	11/26/2012	ISI
H-16	SG # 11 Column 4	F1.40	FP-PE-NDE- 530	VT / 2012V134 / IND	SĢ	ISI-43C	11/26/2012	ISI
Indication o	f loose fastener was accepted by evaluat	ion AR 1360794.	•					
ategory R-A		; ;						
W-13	45° ELBOW - PIPE	R1.11-2	FP-PE-NDE- 402	UT / 2012U054 / NAD	RC	ISI-1B	11/5/2012	ISI
W-12	PIPE - 45° ELBOW	R1.11-2	FP-PE-NDE- 402	UT / 2012U053 / NAD	RC	ISI-1B	11/5/2012	ISI
W-11	45° ELBOW - PIPE	R1.11-2	FP-PE-NDE- 402	UT / 2012U052 / NAD	RC	ISI-1B	11/5/2012	ISI
W-10	PIPE - 45° ELBOW	R1.11-2	FP-PE-NDE- 402	UT / 2012U051 / NAD	RC	ISI-1B	11/5/2012	ISI
W-4	ELBOW - PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U077 / NAD	RC	ISI-5D	11/12/2012	ISI
W-6	PIPE - ELBOW	R1.11-2	FP-PE-NDE- 402	UT / 2012U050 / NAD	RC	ISI-19B	11/2/2012	ISI
W-7	ELBOW - PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U078 / NAD	RC	ISI-21	11/12/2012	ISI
W-20	PIPE - ELBOW	R1.20-4	FP-PE-NDE- 402	UT / 2012U061 / NAD	RC	ISI-23	10/26/2012	ISI
W-21	ELBOW - PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U062 / NAD	RC .	ISI-23	10/26/2012	ISI
W-2	PIPE - TEE	R1.20-6	SWI NDE-PT-1	1 PT/2012P011/NAD	SI	ISI-24	11/17/2012	PSI
			FP-PE-NDE- 402	UT / 2012U081 / NAD	SI	ISI-24	11/22/2012	PSI
	H-14 H-15 H-16 Indication of ategory R-A W-13 W-12 W-11 W-10 W-4 W-6 W-7 W-20 W-21 W-2	H-14 SG # 11 Column 2 H-15 SG # 11 Column 3 H-16 SG # 11 Column 4 Indication of loose fastener was accepted by evaluate ategory R-A W-13 45° ELBOW - PIPE W-12 PIPE - 45° ELBOW W-11 45° ELBOW - PIPE W-10 PIPE - 45° ELBOW W-4 ELBOW - PIPE W-6 PIPE - ELBOW W-7 ELBOW - PIPE W-20 PIPE - ELBOW W-21 ELBOW - PIPE W-21 PIPE - TEE	H-14 SG # 11 Column 2 F1.40 H-15 SG # 11 Column 3 F1.40 H-16 SG # 11 Column 4 F1.40 Indication of loose fastener was accepted by evaluation AR 1360794 ategory R-A W-13 45° ELBOW - PIPE R1.11-2 W-12 PIPE - 45° ELBOW R1.11-2 W-11 45° ELBOW - PIPE R1.11-2 W-10 PIPE - 45° ELBOW R1.11-2 W-4 ELBOW - PIPE R1.20-4 W-6 PIPE - ELBOW R1.11-2 W-7 ELBOW - PIPE R1.20-4 W-20 PIPE - ELBOW R1.20-4 W-21 ELBOW - PIPE R1.20-4 W-21 ELBOW - PIPE R1.20-4 W-21 ELBOW - PIPE R1.20-4	H-14 SG # 11 Column 2 F1.40 FP-PE-NDE-530 H-15 SG # 11 Column 3 F1.40 FP-PE-NDE-530 H-16 SG # 11 Column 4 F1.40 FP-PE-NDE-530 Indication of loose fastener was accepted by evaluation AR 1360794. ategory R-A W-13 45° ELBOW - PIPE R1.11-2 FP-PE-NDE-402 W-12 PIPE - 45° ELBOW R1.11-2 FP-PE-NDE-402 W-11 45° ELBOW - PIPE R1.11-2 FP-PE-NDE-402 W-10 PIPE - 45° ELBOW R1.11-2 FP-PE-NDE-402 W-4 ELBOW - PIPE R1.20-4 FP-PE-NDE-402 W-6 PIPE - ELBOW R1.11-2 FP-PE-NDE-402 W-7 ELBOW - PIPE R1.20-4 FP-PE-NDE-402 W-7 ELBOW - PIPE R1.20-4 FP-PE-NDE-402 W-20 PIPE - ELBOW R1.20-4 FP-PE-NDE-402 W-21 ELBOW - PIPE R1.20-4 FP-PE-NDE-402 W-21 ELBOW - PIPE R1.20-4 FP-PE-NDE-402 W-2 PIPE - TEE R1.20-6 SWI NDE-PT-FP-PE-NDE-402	H-14 SG # 11 Column 2	H-14 SG # 11 Column 2 F1.40 FP-PE-NDE- VT / 2012V138 / NAD SG H-15 SG # 11 Column 3 F1.40 FP-PE-NDE- VT / 2012V135 / NAD SG H-16 SG # 11 Column 4 F1.40 FP-PE-NDE- VT / 2012V135 / NAD SG Indication of loose fastener was accepted by evaluation AR 1360794. ategory R-A W-13 45° ELBOW - PIPE R1.11-2 FP-PE-NDE- UT / 2012U054 / NAD RC W-12 PIPE - 45° ELBOW R1.11-2 FP-PE-NDE- UT / 2012U053 / NAD RC W-11 45° ELBOW - PIPE R1.11-2 FP-PE-NDE- UT / 2012U052 / NAD RC W-10 PIPE - 45° ELBOW R1.11-2 FP-PE-NDE- UT / 2012U051 / NAD RC W-40 ELBOW - PIPE R1.20-4 FP-PE-NDE- UT / 2012U057 / NAD RC W-6 PIPE - ELBOW R1.11-2 FP-PE-NDE- UT / 2012U057 / NAD RC W-7 ELBOW - PIPE R1.20-4 FP-PE-NDE- UT / 2012U057 / NAD RC W-7 ELBOW - PIPE R1.20-4 FP-PE-NDE- UT / 2012U077 / NAD RC W-7 ELBOW - PIPE R1.20-4 FP-PE-NDE- UT / 2012U078 / NAD RC W-20 PIPE - ELBOW R1.20-4 FP-PE-NDE- UT / 2012U078 / NAD RC W-21 ELBOW - PIPE R1.20-4 FP-PE-NDE- UT / 2012U078 / NAD RC W-22 PIPE - ELBOW R1.20-4 FP-PE-NDE- UT / 2012U078 / NAD RC W-21 ELBOW - PIPE R1.20-4 FP-PE-NDE- UT / 2012U078 / NAD RC W-22 PIPE - TEE R1.20-6 SWI NDE-PT-1 PT / 2012U061 / NAD SI FP-PE-NDE- UT / 2012U061 / NAD SI FP-PE-NDE- UT / 2012U061 / NAD SI FP-PE-NDE- UT / 2012U061 / NAD SI	H-14 SG # 11 Column 2 F1.40 FP-PE-NDE- VT / 2012V138 / NAD SG ISI-43C 530 H-15 SG # 11 Column 3 F1.40 FP-PE-NDE- VT / 2012V135 / NAD SG ISI-43C 530 H-16 SG # 11 Column 4 F1.40 FP-PE-NDE- VT / 2012V134 / IND SG ISI-43C 530 Indication of loose fastener was accepted by evaluation AR 1360794. ategory R-A W-13 45° ELBOW - PIPE R1.11-2 FP-PE-NDE- UT / 2012U054 / NAD RC ISI-1B 402 W-12 PIPE - 45° ELBOW R1.11-2 FP-PE-NDE- UT / 2012U053 / NAD RC ISI-1B 402 W-11 45° ELBOW - PIPE R1.11-2 FP-PE-NDE- UT / 2012U053 / NAD RC ISI-1B 402 W-10 PIPE - 45° ELBOW R1.11-2 FP-PE-NDE- UT / 2012U051 / NAD RC ISI-1B 402 W-4 ELBOW - PIPE R1.20-4 FP-PE-NDE- UT / 2012U051 / NAD RC ISI-1B 402 W-4 ELBOW - PIPE R1.20-4 FP-PE-NDE- UT / 2012U051 / NAD RC ISI-1B 402 W-6 PIPE - ELBOW R1.11-2 FP-PE-NDE- UT / 2012U051 / NAD RC ISI-19B 402 W-7 ELBOW - PIPE R1.20-4 FP-PE-NDE- UT / 2012U051 / NAD RC ISI-19B 402 W-7 ELBOW - PIPE R1.20-4 FP-PE-NDE- UT / 2012U051 / NAD RC ISI-23 W-20 PIPE - ELBOW R1.20-4 FP-PE-NDE- UT / 2012U051 / NAD RC ISI-23 W-21 ELBOW - PIPE R1.20-4 FP-PE-NDE- UT / 2012U061 / NAD RC ISI-23 W-22 PIPE - ELBOW R1.20-4 FP-PE-NDE- UT / 2012U062 / NAD RC ISI-23 W-22 PIPE - TEE R1.20-4 FP-PE-NDE- UT / 2012U061 / NAD RC ISI-23 W-24 PIPE - TEE R1.20-6 SWI NDE-PT-1 PT / 2012U061 / NAD SI ISI-24 FP-PE-NDE- UT / 2012U061 / NAD SI ISI-24	H-14 SG # 11 Column 2 F1.40 FP-PE-NDE- VT / 2012V138 / NAD SG ISI-43C 11/26/2012 S30 ISI-43C 11/26/2012 S40 ISI-43C ISI-45

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Unit 1 Cycle 27, 06-12-2011 to 01-02-2013 Inservice Inspection Report Interval 4, Period 3, PI1RFO2012

Owner: Xcel Energy
 Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A

5. Commercial Service Date: 12/16/1973

Summary N	o. Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System		Dwg/ISO	Exam Date	Scope
300750-RI	W-1	VALVE - PIPE	R1.20-6	SWI NDE-PT-	1 PT / 2012P010 / NAD	SI	B. Commercial Commerci	ISI-24	10/27/2012	PSI
300929-RI	W-5	23° ELBOW-BENT PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U064 / NAD	RC		ISI-30B	10/26/2012	ISI
300931-RI	W-4	REDUCER - 23° ELBOW	R1.20-4	FP-PE-NDE- 402	UT / 2012U063 / NAD	RC	:	ISI-30B	10/26/2012	ISI
302916-RI	W-13	PIPE - ELBOW	R1.20-4	FP-PE-NDE- 402	UT / 2012U059 / NAD	RC		ISI-32B	10/26/2 0 12	ISI
302917-RI	W-14	ELBOW - PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U060 / NAD	RC		ISI-32B	10/26/2 012	ISI
Class 2 303054	Category C-A W-2	SHELL - FLANGE	C1.10	FP-PE-NDE- 402	UT / 2012U065 / NAD	RH		ISI-93B	11/10/2012	ısı
Comments:	Limited exa	mination of 12 RH HX channel to flange v	veld. Requires :		R 1371291.					
Class 2 301833	Category C-B W-1	RHR Hx - Pipe	C2.31	SWI NDE-PT-	1 PT/2012P005/NAD	RH		ISI-55D	11/9/2012	ISI
390129	. N-1	Nozzle - Shell	C2.21	SWI NDE-MT	-1 MT / 2012M006 / NAD	SG		ISI-43A	11/3/2012	ISI
			;	FP-PE-NDE- 406 and FP-P NDE-UT-03	UT / 2012U067 / NAD E-	SG		ISI-43A	11/12/2012	ISI
		٠,								
Class 2 302082	Category C-C H-5/IA	; Int. Attach[Support E]	C3.30	SWI NDE-PT-	1 PT/2012P008/NAD	SI		ISI-83C	11/16/2012	ISI
302086	H-6/IA	Int. Attach[Support F]	C3.30	SWI NDE-PT-	1 PT/2012P007/NAD	SI		ISI-83C	11/16/2012	ISI
323052	H-2/IA	Int. Attach[RHR HX 12 SUPPORT B]	C3.10	SWI NDE-PT-	1 PT/2012P004/NAD	RH		ISI-93B	11/9/2012	ısı
Comments:	Limited PT	examination of 12 RH HX support attachr	nent weld. Req	uires relief requ	est AR 1371334.					
325288	H-2/IA	Int. Attach[BOX SUPPORT/LUGS]	C3.20	SWI NDE-PT-	1 PT / 2012P012 / NAD	SI		ISI-98B	11/17/2012	PSI

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Unit 1 Cycle 27, 06-12-2011 to 01-02-2013 Inservice Inspection Report Interval 4, Period 3, PI1RFO2012

Owner: Xcel Energy
 Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A
 Commercial Service Date: 12/16/1973

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
325936	H-1/IA	Int. Attach[Single Spring Base Support]	C3.20	SWI NDE-PT-1	PT / 2012P015 / NAD	RH :	IȘI-55C	11/26/2012	PSI
Class 2 C 370002		(See Section 5 for Pressure Tests) Component Cooling System Pressure Test Class 2	C7.00	FP-PE-NDE- 520	VT / 2013V011 / NAD	CC	NF-39245-1	12/29/2012	ISI
370010	SP 1168.10	RHR System Pressure Test	C7.00	FP-PE-NDE- 520	VT / 2012V152 / NAD	RH	SP 1168.10	12/18/2012	ISI
				FP-PE-NDE- 520	VT / 2013V012 / IND	RH	SP 1168.10	10/25/2012	ISI
Comments:	Boric acid re	esidue in bottom of RHR containment suct	tion pipe accep		n AR 1363913.	·			
370013	SP 1168.13	Safety Injection System Pressure Test	C7.00	FP-PE-NDE- 520	VT / 2012V149 / IND	SI	XH-1-44, 45	12/9/2012	ISI
Comments:	Minor fitting	leaks closed to work requests, AR 13625	65, AR 1362567	7, WR 86205, WF	R 86206.				
370015	SP 1168.15	Post LOCA Hydrogen Control System Pressure Test	C7.00	FP-PE-NDE- 520	VT / 2012V142 / NAD	НС	NF-39251	12/2/2012	ISI
				FP-PE-NDE- 520	VT / 2012V143 / NAD	HC	NF-39251	11/7/2012	ISI
370016	SP 1168.16	Chemical and Volume Control System Pressure Test	C7.00	FP-PE-NDE- 520	VT / 2012V096 / NAD	vc	Reference SP 1168.16 Rev. 15	10/27/2012	ISI
370017	SP 1168.17	Feedwater System Pressure Test	C7.00	FP-PE-NDE- 520	VT / 2013V014 / NAD	FW	NF-39222	1/16/2013	ISI
370034	SP 1392	Unit 1 Class 2 Bolting Inspection	C7.00	FP-PE-NDE- 520	VT / 2012V151 / IND	SI, VC, RH	Reference SP	10/27/2012	ISI
Comments:	Minor body	to bonnet indications accepted by evaluat	ion AR 135635		353.		1332		
370088	SP 1168.8B	Cooling Water System to Unit 1 FCUs Pressure Test	C7.00	FP-PE-NDE-	VT / 2012V083 / IND	CL	Reference SP	10/24/2012	ISI
				FP-PE-NDE- 520	VT / 2013V015 / NAD	CL	Reference SP	1/16/2012	ISI
Comments:	Leakage at 1	the 12 FCU was determined to be a gasket	leakage dispo	sitioned by corre	ective actions AR 1356357 and	WO 395897 and reinspec	cted.		
Class 2 0 301132	Category F-A H-2	SEISMIC RESTRAINT	F1.20a	FP-PE-NDE- 530	VT / 2012V113 / NAD	MS	ISI-51A	11/2/2012	ISI

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Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report Interval 4, Period 3, PI1RFO2012

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A

5. Commercial Service Date: 12/16/1973

6. National Board Number for Unit: N/A

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
301390	H-2	SPRING HANGER/CLAMP	F1.20c	FP-PE-NDE- 530	VT / 2012V121 / NAD	RH	ISI-53C	11/13/2012	ISI
303052	H-2	RHR HX 12 SUPPORT B	F1.40	FP-PE-NDE- 530	VT / 2012V120 / NAD	RH	ISI-93B	11/9/2012	ISI
305055	H-1	ROD/CLAMP	F1.20a	FP-PE-NDE- 530	VT / 2012V117 / NAD	Si :	ISI-100B	11/8/2012	ISI
305070	H-5	Double Rigid Hanger	¹ F1.20a	FP-PE-NDE- 530	VT / 2012V082 / NAD	Si	ISI-100A	10/23/2012	PSI
305288	H-2	BOX SUPPORT/LUGS	F1.20b	FP-PE-NDE- 530	VT / 2012V133 / IND	SI	ISI-98B	11/23/2012	PSI
Comments:	Missing wel	ld accepted by evaluation AR 01360381							
305631	H-2	Pipe Restraint	F1.20b	FP-PE-NDE- 530	VT / 2012V112 / IND	AF	ISI-52A	11/2/2012	isi
Comments:	Lack of thre	ead engagement and missing washer acc	epted by evalua		0.				
315936	`H-1	Single Spring Base Support	F1.20c	FP-PE-NDE- 530	VT / 2012V139 / NAD	RH	ISI-55C	11/26/2012	PSI
315959	H-1	#11 Pump Support A	F1.40	FP-PE-NDE- 530	VT / 2012V091 / NAD	SI	ISI-83C	10/26/2012	ISI
315960	H-2	#11 Pump Support B	F1.40	FP-PE-NDE- 530	VT / 2012V090 / NAD	SI	ISI-83C	10/26/2012	ISI
315961	H-3	#11 Pump Support C	F1.40	FP-PE-NDE- 530	VT / 2012V089 / NAD	SI	ISI-83C	10/26/2012	ISI
315962	H-4	#11 Pump Support D	F1.40	FP-PE-NDE- 530	VT / 2012V088 / NAD	SI	ISI-83C	10/26/2012	ISI
315963	H-5	#11 Pump Support E	F1.40	FP-PE-NDE- 530	VT / 2012V093 / NAD	Si	ISI-83C	10/26/2012	ISI
315964	H-6	#11 Pump Support F	F1.40	FP-PE-NDE- 530	VT / 2012V092 / NAD	SI	ISI-83C	10/26/2012	ISI

Class 2 Category R-A

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Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report Interval 4, Period 3, PI1RFO2012

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A
 Commercial Service Date: 12/16/1973

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
301331-RI	W-6	Pipe to Elbow	R1.19-5	SWI NDE-PT-1	PT / 2012P006 / NAD	RH	ISI-56	11/13/2012	ISI
301694-RI	W-24	Pipe - Nozzle	R1.11-5	FP-PE-NDE- 401	UT / 2012U055 / NAD	FW	ISI-69	11/6/2012	ISI
301810-RI	W-16	PIPE - ELBOW	R1.20-4	FP-PE-NDE- 402	UT / 2012U044 / NAD	RH	ISI-83B	10/26/2012	ISI
301811-RI	W-17	ELBOW - PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U045 / NAD	RH	ISI-83B	10/26/2012	ISI
301823-RI	W-8LSU	TEE- PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012Ú069 / NAD	RH	ISI-55C	11/10/2012	ISI
301824-RI	W-9LSD	PIPE - 45°ELBOW	R1.20-4	FP-PE-NDE- 402	UT / 2012U071 / NAD	RH	ISI-55Ç	11/10/2012	ISI
301825-RI	W-10LSD	45°ELBOW - PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U072 / NAD	RH	ISI-55C	11/10/2012	ISI
301831-RI	W-20LSD	ELBOW - PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U070 / NAD	RH	ISI-55C	11/10/2012	ISI
301866-RI	W-21	PIPE - PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U068 / NAD	RH	ISI-55C	11/10/2012	ISI
301885-RI	W-18	PIPE - PIPE	R1.20-6	SWI NDE-PT-1 FP-PE-NDE- 402	PT / 2012P014 / NAD UT / 2012U083 / NAD	SI SI	ISI-98B ISI-98B	11/22/2012 11/22/2012	PSI PSI
305111-RI	W-4	PIPE - ELBOW	R1.20 -4	FP-PE-NDE- 402	UT / 2012U074 / NAD	SI	ISI-99A	11/12/2012	ISI
305120-RI	W-13	PIPE - ELBOW	R1.20-4	FP-PE-NDE- 402	UT / 2012U073 / NAD	SI	ISI-99A	11/12/2012	ISI
305122-RI	W-15	PIPE - ELBOW	R1.20-4	FP-PE-NDE- 402	UT / 2012U075 / NAD	SI	ISI-99A	11/12/2012	ISI
305123-RI	W-16	: ELBOW - PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U076 / NAD	SI	ISI-99A	11/12/2012	ISI

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Unit 1 Cycle 27, 06-12-2011 to 01-02-2013 Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A

5. Commercial Service Date: 12/16/1973

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
305144-RI	W-8	PIPE - RED TEE	R1.20-4	FP-PE-NDE- 402	UT / 2012U079 / NAD	SI	ISI-101	11/12/2012	ISI
305145-RI	W-9	RED TEE - ORIFICE	R1.20-4	FP-PE-NDE- 402	UT / 2012U080 / NAD	SI	ISI-101	11/12/2012	ISI :
305196-RI	W-4	PIPE - 45 ELBOW	R1.20-4	FP-PE-NDE- 402	UT / 2012U056 / NAD	Si	ISI-97A	10/26/2012	ISI
305197-RI	W-5	45 ELBOW - PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U057 / NAD	SI	ISI-97A	10/26/2012	ISI
305198-RI	W-6	PIPE - 45 ELBOW	R1.20-4	FP-PE-NDE- 402	UT / 2012U058 / NAD	SI	ISI-97A	10/26/2012	ISI
305259-RI	W-2	REDUCER - PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U049 / NAD	SI	ISI-98A	11/1/2012	ISI
305260-RI	W-3	PIPE - ELBOW	R1.20-4	FP-PE-NDE- 402	UT / 2012U047 / NAD	SI	IŞI-98A	11/1/2012	ISI
305261-RI	W-4	ELBOW - 45 ELBOW	R1.20-4	FP-PE-NDE- 402	UT / 2012U048 / NAD	SI	ISI-98A	11/1/2012	ISI
305262-RI	W-5	45 ELBOW - PIPE	R1.20-4	FP-PE-NDE- 402	UT / 2012U046 / NAD	SI	ISI-98A	11/1/2012	ISI
305304-RI	VV-16	TEE - PIPE	R1.20-6	FP-PE-NDE-	PT / 2012P013 / NAD UT / 2012U082 / NAD	SI SI	ISI-98B ISI-98B	11/22/2012 11/22/2012	PSI PSI
Comments:	Limited pres	ervice examination of weld for SI-16-4 replace	cement. Relief re	402 equest not require	d.				
305305-RI	W-17	PIPE - VALVE	R1.20-6	SWI NDE-PT-1	PT / 2012P009 / NAD	SI	ISI-98B	10/27/2012	PSI
Class 3 C 321080	Category D-A H-1/IA	Int. Attach[Support A]	D1.10	FP-PE-NDE- 510	VT / 2012V100 / NAD	СС	ND-1-3-216A	10/27/2012	ISI
321081	H-2/IA	Int. Attach[Support B]	D1.10	FP-PE-NDE- 510	VT / 2012V101 / NAD	СС	ND-1-3-216A	10/27/2012	ISI

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Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report Interval 4, Period 3, PI1RFO2012

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A

5. Commercial Service Date: 12/16/1973

Summary No	o. Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
322698	CCH-50/IA	Int. Attach[Spring]	D1.20	FP-PE-NDE- 510	VT / 2012V124 / NAD	cc	ND-1-3-216	11/15/2012	ISI
Class 3	Category D-B	(See Section 5 for Pressure Tests)							
370001	SP 1168.4	Component Cooling System Pressure Test	D2.10	FP-PE-NDE- 520	VT / 2012V080 / NAD	CC	See SP 1168.4	8/15/2012	ISI
370005	SP 1168.7	Caustic Addition System Pressure Test	D2.10	FP-PE-NDE- 520	VT / 2012V145 / NAD	CA	Figure 1	12/7/2012	ISI
				FP-PE-NDE- 520	VT / 2013V016 / NAD	CA	Figure 1	1/19/2013	ISI
370078	SP 1168.8B	Cooling Water System to Unit 1 FCUs Pressure Test	D2.10	FP-PE-NDE- 520	VT / 2012V084 / NAD	CL	Reference SP	10/23/2012	ISI
Class 3	Category F-A								
301080	H-1	Support A	F1.40	FP-PE-NDE- 530	VT / 2012V099 / NAD	СС	ND-1-3-216A	10/27/2012	ISI
301081	H-2	Support B	F1.40	FP-PE-NDE- 530	VT / 2012V098 / NAD	СС	ND-1-3-216A	10/27/2012	ISI
312446	CWH-340	Rod /Clamp	F1.30a	FP-PE-NDE- 530	VT / 2012V097 / IND	cw	ND-1-3-20	10/27/2012	ISI
Comments:	Indication o	f contact and additional strap accepted by	evaluation AR						
312506	CWH-155	Rod /Clamp	F1.30a	FP-PE-NDE- 530	VT / 2012V103 / NAD	cw .	ND-1-3-25	11/1/2012	ISI
312507	CWH-348	Sway Strut	F1.30b	FP-PE-NDE- 530	VT / 2012V102 / NAD	CW .	ND-1-3-25	11/1/2012	ISI
312536	CWH-404	Triple Rod /Clamp	F1.30a	FP-PE-NDE- 530	VT / 2012V104 / NAD	CW	ND-1-3-47	11/1/2012	ISI
312693	SVH-56	Spring /Clamp	F1.30c	FP-PE-NDE- 530	VT / 2012V125 / NAD	MS	ND-1-3-178	11/15/2012	ISI
312696	CCH-378	Snubber	F1.30c	FP-PE-NDE- 530	VT / 2012V130 / NAD	СС	ND-1-3-216	11/22/2012	PSI

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Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report Interval 4, Period 3, Pl1RFO2012

Owner: Xcel Energy
 Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A

5. Commercial Service Date: 12/16/1973

Summary No.	Comp. ID	Comp. Desc.	Item .	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
312713	CCH-72	Rod /Clamp	F1.30a	FP-PE-NDE- 530	VT / 2012V116 / IND	cc	ND-1-3-218	11/8/2012	ISI
				FP-PE-NDE- 530	VT / 2012V153 / NAD	CC	ND-1-3-218	12/22/2012	PSI
Comments:	Indication of	f weled rod accepted by test AR 1358614.	. Rod replaced	at owner option.					
312784	CCH-377	Snubber	F1.30c	FP-PE-NDE- 530	VT / 2012V131 / NAD	CC	ND-1-3-224	11/22/2012	PSI
Class NC 305534	Category H RCP Motor Lifting Rig	VY LDS Reactor Coolant Pump Motor Lifting Rig	NUREG612	SWI NDE-MT-	1 MT / 2012M005 / NAD	PC	ISI-HVY-LDS-	4 8/22/2012	AUG

Period 3 Total Comp to Comp 1st Percent Total Comp 2nd Sched 3rd Comp 3rd % Comp to Item No. - Code Case Population Required Required Total Sched Period. Period Period Period date Accumulator nozzles owner elected examination Done 10 ACC NOZ NRCIN9105 10 10 0 20 10 0 0 N/A under PM. 0 0 Total: 0 N/A 0 RV shell circ welds. Deferral to end of interval B-A B1.11 RR-4-1 100% 0 0 0 3 0 N/A allowed per IWB-2500-1 RV bottom head weld. Deferral to end of interval B-A B1.21 RR-4-1 100% 0 allowed per IWB-2500-1 0 0 0 N/A RV shell to flange weld. Deferral to end of interval 0 В-А 0 0 0 N/A allowed per N-623 B1.30 100% Total: 0 5 0 N/A B-B B2.11 2 100% 2 0 0 100% 0 1 1 Pressurizer circ welds 2 0 0 B-B B2.12 100% 0 . 1 100% Pressurizer long welds SG tubesheet to head. One В-В B2.40 0 0 2 0 0% of each similar vessel. Class 1 tubesheet to head HX. VT-2 each outage per RR-4-2. Not included in В-В 15 6 6 3 3 N/A count. B2.60 RR-4-2 2 2 Total: 67% RV nozzle inside radius. Deferral to end of interval allowed per IWB-2500-1. B-D B3.100 Not included in count

										Peri	0		
Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Sched 3rd Period	Comp 3rd Period	% Comp to date	::
B-D	B3.120		5	100%	5	2	3	. 0	2	2	1	60%	Pressurizer nozzle full pen welds.
B-D	B3.140		4	100%	4	0	4	4	0	0	0	100%	SG nozzle full pen welds.
B-D	B3.160	RR-4-2	6	100%	6	6	30	12	12	6	6	N/A	Class 1 HX full pen nozzle VT-2 each outage per RR- 2. Not included in count
B-D	B3.90		6	100%	6	6	0	0	0	6	0	N/A	Vessel full pen nozzle welds. Deferral to end of interval allowed per code case. Not included in count.
Total:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		9		9	2		4	2	2		78%	Total Percentage completed for B3.120 and B3.140. Other items NA.
B-E	B4.30		1	100%	1	1		0	0	1			Reactor Vessel Closure Head Bare Metal Examination. Augmented Examination required ever 3rd outage. Not included
Total:			1		1	1	0 .	0	0	1	0	N/A N/A	in count.
B-G-1	B6.10	CASE SECOND AND AND AND AND AND AND AND AND AND A	3	100%	3	1	2	1	1	1	0	::	RV nuts. Deferral to end o interval allowed per IWB- 2500-1. Each component a set of 16.

							,		•	Peri	od 3		
Cat.	ltem No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Sched 3rd Period	Comp 3rd Period	% Comp to date	
		×	=		*		T						
								is s					Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. RCP bolts
B-G-1	B6.180		2	0%	0	0	0	0	0	0	0	0%	only when required by B-L- 2. Not included in count.
		4; (*)											Flange surface only required when disassembled. Not
B-G-1	B6.190		2	0%	0	. 0	0	0	0	0	0	0%	included in count.
										1			RV studs. Deferral to end of interval allowed per IWB-2500-1. Each component is
B-G-1	B6.30		3	100%	3	1	2	1	1	1	0	67%	a set of 16.
B-G-1	B6.40		1	100%	1	1	0	0	0	1	0	0%	RV ligaments. Deferral to end of interval allowed per IWB-2500-1.
B-G-1	B6.50		3·	100%	3	### 	2	# ## #1	ii	1	0	67%	RV washers. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16.
001	71												Deferral allowed for
Total:			10		10	4	6	3	3	4	0	N/A	all items.
B-G-2	B7.20		1	100%	1	0	1	0	1	0	0	100%	Pressurizer studs.
B-G-2	B7.20		4	100%	4	0	4	1	1	0	2	100%	SG studs.
B-G-2	B7.50		11	N/A	0	1	10	3	4		3	N/A	Flange bolting only if disassembled or bolting removed. Not included in count.
B-G-2	B7.60		4	N/A	0		1	1	0	0	0	N/A	Pump bolting only required when required by B-L-2. Not included in count.

										Peri	iod 3		
Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Sched 3rd Period	Comp 3rd Period	% Comp to date	
B-G-2	B7.70		19	N/A	0	3	8	5	3	2	0	N/A	Valve bolting only required when required by B-M-2. Not included in count.
Total:			5	Taran Maria Para da Taran Taran	5	4	5		2	0	2	100%	Total Percentage completed for B7.20 and B7.30. Other items NA.
в-К	B10.10		6	N/A	2	0	1	ĭ.	0	* 4	0	50%	Vessel attachments only one attachment of one of multiple similar vessels.
В-К	B10.20		46	10%	5	2	5	2	2	1	1	100%	Pipe attachments.
В-К	B10.30		3	10%	1	0	1	0	1	0	0	100%	Pump attachments.
Total:		Programme Company	55		8	2	7	3	3	2	1	88%	
B-L-1	B12.10		1	50%	1	1	1 0	0	0	1	0	0%	Pump casing welds limite to one pump in each grou. of similar pumps. Deferrate to end of interval or disassembly for maintenance allowed.
Total:			1 200		1	1	0	0	0	1	0	0%	
B-L-2	B12.20		2	0%	0	er 2013 - 1	0	0	. 0	0	0	N/A	Pump casing limited to on pump in each group of similar pumps. Only required when disassembled.
Total:			2		0	0	0	0	0	0	0	N/A	
B-M-2	B12.50		19	0%	0	0	3	1	1	0	1	N/A	Valve body interior limited to one valve in each of 9 groups once each interval Only required when valve disassembled.

				Percent	Total		Total Comp to	Comp 1st	Comp 2nd	Peri Sched 3rd	iod 3 Comp 3rd	% Comp to	1
Cat.	Item No.	Code Case	Population	Required	Required	Total Sched	Date	Period.	Period	Period	Period	date	
Total:		The state of the s	19		0	1	3	1	1	0	4	N/A	
B-N-1	B13.10		1	100%	1	0	1	1	0	1	0	N/A N/A	RV interior all accessible areas to be examined one each period.
Total:	5.000 (FIELD)		I see a		, , , , , , , , , , , , , , , , , , ,	U.S.	entragely and Colonian and	Andrea nice Tourisment	A CONTRACTOR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Editor Water Vanish Street	IN/A	
B-N-2	B13.50		1	100%	1	1	0	0	0	1	0	N/A	RV interior attachments beltline. Deferral to end o interval allowed per IWB- 2500-1
B-N-2	B13.60		1	100%	1	1	0	0	0	1	0	N/A	RV interior attachments r beltline. Deferral to end a interval allowed per IWB- 2500-1
Total:			2		2	2	0	0	0	2	0	N/A	
B-N-3 Total:	B13.70		1	100%	1	1	0	0	0	1	0	N/A N/A	Core support structure. Deferral to end of interva allowed per IWB-2500-1
B-O Total:	B14.10		66		4	4	0	0	0	4	0	N/A N/A	10% ot outside Control rowelds. Deferral allowed IWB-2412(a)3. Replaced 1st period w/ new RV he
Total.	100000		00	notes to a Table State of Carl				United States	ARCHARACTURE CONTRACTOR	Special control of the			
B-P	B15.00	Multiple	2	100%	2	2	10	4	4	2	2	N/A N/A	Two pressure test procedures each outage Bare metal visual of RV bottom head every 2nd outage.
Total:	D13,00	New Property and the Con-	3	O 76	3	3 character	13	0	0	0	1	N/A	90.

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								*		Perio	od 3		
Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Sched 3rd Period	Comp 3rd Period	% Comp to date	
C-A	C1.10		2	50%	1	0	1	0	0	0	1 (L)	100%	Welds at gross structural discontinuity only. One vessel of similar vessels.
C-A	C1.20		4	50%	2	0	2	1	1	0	0	100%	Head circ welds. One vessel of multiple vessels.
C-A	C1.30		2	50%	1	0	1	1	0	0	0	100%	Tubesheet to shell welds. One vessel of multiple vessels.
Total:			8		4	- 0	4	2		0	0	100%	
C-B	C2.21		2	50% 50%	1	0	1	0	0	0	1	100%	Nozzle to shell. One of multiple vessels. Nozzle inside radius. One of multiple vessels.
С-В	C2.31		4	50%	2	0	2	1	0	0	1	100%	Reinforcing plates. One of multiple vessels.
Total:			8		4	0	4	1	1	0	2	100%	
C-C	C3.10		12	10%	2	0	2	1	0	0	1 (L)	100%	Vessel attachment welds. One of similar vessels.
C-C	C3.20		115	10%	12	5	7	3	4	5	0	71%	Piping weld attachments
C-C	C3.30		16	10%	2	1	2	0	0	0	2	100%	Pump weld attachments
C-C	C3.40		2	0%	0	1	0	0	0	1	0 .	0%	Valve weld attachments
Total:		700	145	A Company of the Company	16	7	11	4	4	6	3	69%	
	07.00				-		:12	:	, <u>, , , , , , , , , , , , , , , , , , </u>		aji		Class 2 pressure tests completed once each period Some completed
C-H Total:	C7.00	N-533-1	14 14	100%	14 14	4	35 35	14 14	14	10 10	4	N/A	after outage.
Total:		el er	14		14	4	35	14	14	10	4	N/A	
D-A	D1.10		8	50%	4	0	4	1	1	0	2	100%	Vessel attachment welds
D-A	D1.20		82	10%	9	3	6	2	3	3	1	67%	Pipe attachment welds
D-A	D1.30		0	10%	0	0	0	0	0	0	0		Pump attachment welds.

Page 7 of 8

							,,		•	Peri	od 3		
Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Sched 3rd Period	Comp 3rd Period	% Comp to date	
Total:			90	PERCENTAGE PROMISE	13	3	10	3	4	3	3	77%	
D-B Total:	D2.10	Multiple	7	100%	21 21	0	; 17 17	7	7 7	4	3	81% 81%	Class 3 pressure tests completed once each period. Some completed after outage.
3 322 PH		4				and the second second second second second	*					eu contra	
F-A	F1.10a		45	25%	12	2	10	4	4	2	2	83%	Class 1 pipe supports one direction
F-A	F1.10b		94	25%	24	7	17	8	8	7	1	71%	Class 1 pipe supports multidirectional
F-A	F1.10c		65	25%	17	2	14	5	5	2	4	82%	Class 1 pipe supports thermal movement (springs).
F-A	F1.20a		106	15%	16	4	13	5	6	4	2	81%	Class 2 pipe supports one direction
F-A	F1.20a		80	15%	12	4	9	4	4	4	1	75%	Class 2 pipe supports multidirectional
F-A	F1.20c		57	15%	9	2	7	3	3	2	1	78%	Class 2 pipe supports thermal movement (springs).
													Class 3 pipe supports one
F-A	F1.30a		213	10%	22	5	17	6	7	5	4	77%	direction Class 3 pipe supports
F-A	F1.30b		104	10%	11	3	8	3	4	3	1	72%	multidirectional
F-A	F1.30c		45	10%	5	0	5	2	2	0	1	100%	Class 3 pipe supports thermal movement (springs).
													Other supports Class 1,2,3 MC. Not included in
F-A Total:	F1.40		78 887	N/A	0 128	2 29	43	19 40	11 43	2 29	13 17	N/A 78%	count.
R-A	R1.11-2		84	25%	21	0	21	9	7	0	5	100%	RI-ISI Thermal fatigue high
R-A	R1.11-5		46	10%	5	0	6	4	1	0	1	100%	RI-ISI Thermal fatigue medium risk

ija.

		od 3	Perio										
	% Comp to date	Comp 3rd Period	Sched 3rd Period	Comp 2nd Period	Comp 1st Period.	Total Comp to Date	Total Sched	Total Required	Percent Required	Population	Code Case	Item No.	Cat.
PWSSC high risk (pressurizer nozzle)	100%	0	0	0	1	1	0	1	25%	2		R1.16-2	R-A
SCC high risk. Complete one limited examinaiton. Relief request 1-RR-4-6.	Million and the second second	0	0	0	1(L)	0	0	1	10%	4		R1.16-5	R-A
SCC medium risk. Not included in count.	N/A	0	0	0	0	0	0	0	0%	8		R1.18-6	R-A
ECSCC medium risk	100%	1	0	0	0	1	0	1	10%	4		R1.19-5	R-A
Not subject to damage medium risk	97%	27	3	27	22	76	3	78	10%	774		R1.20-4	R-A
Not subject to damage lo risk. Not included in count.	N/A	0	0	0	0	0	0	0	0%	673		R1.20-6	R-A
Not subject to damage lo risk. Not included in count.	N/A	0	0	0	0	0	0	0	0%	28		R1.20-7	R-A
	98%	34	3	35	37	105	3	107		1623		ner a his	Total:

Section 4. IWE Examinations (1 page attached)

The following table summarizes the IWE inspections performed in cycle 27. Inspections are listed by class, category and site summary number. The second IWE interval (September 10, 2008 through September 9, 2018) is based on the examination requirements of the 2001 Edition with 2003 Addenda of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code Section XI with limitations and modifications as required by Title 10 of the Code of Federal Regulation, Part 50.55a. As such, there is only one category (E-A) and two item numbers (E1.11 and E1.30) in scope for the second IWE interval. There are currently no surfaces requiring augmented examination under category E-C. There were no indications of the containment vessel requiring evaluation, corrective actions, nor successive or augmented examinations. The moisture barrier showed several minor indications of lack of adhesion or tears ranging up to 7 inches long. These indications were accepted by repair and preservice inspection.

The number and percentage of examinations or tests completed are included in this section as required by IWA-6220(f).

It should be noted minor refueling cavity leakage was reported in the regen heat exchanger room (AR 01358888). There was no indication this leakage contacted the containment vessel and no conditions in accessible areas that could indicate the presence of or result in degradation to inaccessible areas that would require evaluation in accordance with 10CFR 50.55a (b)(2)(ix)(A).

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Prairie Island Nuclear Plant Inservice Inspection Report

Unit 1 Interval 2, Period 2, Outage 1, PI1RF2012 IWE

1. Owner: Xcel Energy

2. Plant: Prairie Island Nuclear Generating Plant

3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): NA

5. Commercial Service Date: 12/16/1973

6. National Board Number for Unit: NA

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
Class IWE	Category E	i-A						_
400430	PI1-MB	Moisture Barrier	E1.30	FP-PE-NDE- 540	VT / 2012V085 / IND	PC	ISI-301	10/25/2012
				FP-PE-NDE- 540	VT / 2012V141 / IND	PC	ISI-301	11/30/2012
				FP-PE-NDE- 540	VT / 2012V147 / NAD	PC	ISI-301	12/12/2012
Comments:	Moisture Ba	rrier minor damage accepted by corre	ctive action and	reinspected sat. A	AR 1357438, AR 1361498 and WO	395957.		
Class MC	Category E	-A					-	
400001	PI1-C	Accessible Surface Area	E1.11	FP-PE-NDÉ- 540	VT / 2012V087 / NAD	PC	Program Plan	10/25/2012
406035	Primary Containment Bolting	Botted Connections	E1.11	FP-PE-NDE- 540	VT / 2012V086 / NAD	PC ·	Program Plan	10/25/2012

IWE Code Compliance Summary - Second Interval ISI Code Edition - 2001 Edition, 2003 Addenda

Cat.	Item No.	Code Case	Population	Percent Required	Total Required for Interval	Total Sched	Total Comp	Comp Period 1	Comp Period 2	Sched Period	Comp Period 3	Sched Period 3	Notes
E-A	E1.11		2	100%	6	2	4	2	2	o	0	2	Accessible Surface areas 100% each period.
Total:		and the second s	a. 2	,	6 3	2	Andreas Angeles	216	2		0.3	2	Moisture Barriers 100% each
E-A Total:	E1.30		1	100%	3 -: \(\(\frac{1}{2}\) \(\frac{3}{2}\) \(\frac{1}{2}\) \(\frac{3}{2}\)	1 (1) (1) (2)	2 	1	1	0 	0	1 	period. Areas requiring
E-C Total:	E4.10		0	0%	0 0 0 (6)	0	0	o (2005)	0 - 42 0	0 	0 }} -0 -4}	0 4 7 0 , 7	Augmented Examination.

Section 5. Pressure Tests (2 pages)

The following are Unit 1, class 1 and class 2 pressure tests completed or scheduled in the third period (cycle 27 and cycle 28) as noted. All pressure test indications were evaluated and corrective measures performed as required by IWA-5250, IWB-3142 and IWC-3132.

Code C	lass 1 & 2 P	ressure Tests Unit 1	Period	3 (Cycle	27 & 28)
System	Category	Procedure	Class	WO#	Comp/Sch
Reactor Coolant	B-P	SP 1070 Reactor Coolant System Integrity Test	1*	425923	12/30/2012 (1R28)
Reactor Coolant	B-P	SP 1070 Reactor Coolant System Integrity Test	1	436712	Scheduled (1R29)
Reactor Vessel	B-P	SP 1421 Bare Metal Visual Exam of Bottom RV Head	1	425933	12/17/2012** (1R28)
Reactor Vessel	B-P	SP 1403 Bare Metal Visual Exam of Top RV Head	1		Scheduled*** (1R29)
RC, SI, VC, RH, CS, SF	B-P, C-H	SP 1392 Unit 1 Insulated Bolted Connection Inspection	1/2	396677	12/18/2012 (1R28)
RC, SI, VC, RH, CS, SF	B-P, C-H	SP 1392 Unit 1 Insulated Bolted Connection Inspection	1/2	436724	Scheduled (1R29)
Comp Cooling	C-H	SP 1168.4A Component Cooling Class 2	2	425965	12/30/2012 (1R28)
Aux Feed	C-H, D-B	SP 1168.6 Aux Feed System	2/3	451255	Scheduled Online
Caustic Addition	C-H	SP 1168.7 Caustic Addition System	2	443489	1/19/2013 (1R28)
Cooling Water	C-H, D-B	SP 1168.8B Cooling Water to Unit 1 FCU's Pressure Test	2/3	425899	11/2/2012 (1R28)
Residual Heat Removal	C-H	SP 1168.10 Residual Heat Removal System	2	425899	11/2/2012 (1R28)
Main Steam	C-H	SP 1168.11 Main Steam	2	425915	Scheduled (1R29)
SI Accumulator	C-H	SP 1168.12 Safety Injection Accumulators	2	425937	Scheduled (1R29)

Safety Injection	C-H	SP 1168.13 Safety Injection System Pressure Test	2	425938	12/12/2012 (1R28)
Containment Spray	C-H	SP 1168.14 Containment Spray Pressure Test	2	454706	Scheduled Online
Hydrogen Control	C-H	SP 1168.15 Post LOCA Hydrogen Control System Pressure Test	2	425959	12/3/2012 (1R28)
Chemical Volume Control System	С-Н	SP 1168.16 Chemical and Volume Control System Pressure Test	2	451252	Scheduled Online
Main and Aux Feed	С-Н	SP 1168.17 Feedwater System Pressure Test	2	425911	1/16/2013 Online
Sampling System	C-H	SP 1168.19 Sampling System	2	425941	12/29/2012 (1R28)
Aux Building Trench	С-Н	SP 1168.25 Auxiliary Building Trench Pressure Test	2	425925	Scheduled Online

^{*} Inspection of class 1 components required each refueling outage. Inspection of class 2 required once each period.

*** Bottom RV head inspection required every second outage per code case N-722-1.

**** Top RV head inspection required lesser of 3 outage or 5 years per code case N-729-1.

NSPM PRAIRIE ISLAND UNIT 1 CYCLE 27

INSERVICE INSPECTION SUMMARY REPORT

Section 6. Snubber Inservice Testing and Preservice Examinations (3 pages attached)

Appendix A for SP 1225 Summary description of Snubber visual inspection and Functional testing for 1R28

There were a total of 21 snubbers scheduled for testing in 1R28. All functional tests were SAT.. Seventeen of the twenty-one were Basic-PSA hydraulic snubbers, these snubbers had spares rebuilt and tested SAT prior to installation. The Basic-PSA snubbers that were removed were tested in the as found condition and all were also SAT. There was one ITT Grinnel snubber that was removed, tested and then reinstalled, which passed functional testing as well. There was one Paul Monroe snubber that was functionally tested SAT and reinstalled. Finally two steam generator valve blocks were replaced with rebuilt spares. All valve blocks were tested SAT. There was no scope expansion from failed testing on sample population during IR28. Most of the testing was performed by a Basic-PSA field representative, with a few tests performed by inhouse maintenance after Basic-PSA field representative departure.

The visual inspections SP 1171 and TP 1535 were performed by LMT. 1-CH-78, had been replaced during 1R27 and additional testing was required in 1R28 due to the failure during functional testing in accordance with the snubber program (ref: H20, section 5.3.4), (WO#434021).. This snubber passed the functional test.

Other issues identified during the visual inspections were addressed by performing minor maintenance on the snubbers. Snubbers that did not have an acceptable level of fluid or had other minor issues were corrected per various tasks associated with WO#s 450902. The snubbers that were inaccessible were not inspected.

Several snubbers were identified as missing its ID tag. AR 01357335, 01358136 & 01358729 were initiated to make labels for those snubbers. Some snubbers were not installed in accordance with the snubber drawing (e.g.backward). Those snubbers were orientated with the vent cap in the uppermost position, which is in accordance with the snubber program but in conflict with the drawings. Those snubbers are fully capable of performing their safety function in this configuration. During snubber replacement, all snubber paddles and devises spherical bearings were cleaned and coated with neverseez in accordance with maintenance general practice. All snubbers removed from service due to service life testing or due to interferences from other work were visually VT-3 inspected.

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SNUBBER FUNCTIONAL TESTS

NUMBER: SP 1225-REV: 13

Page 8 of 12

Table 2 Snubber Functional Test Summary

SNUBBER NO.	FUNCTIONAL TEST WO	PI# REMOVED	PI# REPLACED	TEST RESULTS
LAFWH-84	434341	40	98	SAT
1-CCH-31B	434342	80	246	SAT
1-004-319_	434343	284	294	SAT
1-004-320	434344	200	224	TAZ
1-004-349	434345	238	349	SAT
1-CCH-350	434346	418	220	SAT
1-CCH-354	434347	446	34	SAT
1-CCH-377.	434348	416	131	SAT
1-CCH-378	434349	292	286	SAT
1-CWRH-81	434350	133	509	SAT
1-CW817-82	434351	577	133	SAT
1-MSDH -26A	434352	. B	147.	SAT
1-MSDH-26B	434353	2_	498.	SAT
1-MSH-67A	434354	546	106	SAT
1-16H-107A	434355	540	100.	SAT
1-MSH-107B	434356	507	462	SAT
1-RCRH-47A	434360	565	565	SAT
801-42M-1	434359	1108	११०८	SAT



SNUBBER FUNCTIONAL TESTS

Table 2 Snubber Functional Test Summary

SNUBBER NO.	FUNCTIONAL TEST WO	PI# REMOVED	PI# REPLACED	, TEST RESULTS
ILS/GOZ VB	434357	-04	-01	SAT
125/402 VB	434358	-08	-09	SAT
1-CH-78	434021	273	273	SAT
		_		• .
	·		,	
		2 1		
		Not 1		
· ·				·
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				·
		_		

Section 7. Steam Generator Eddy Current Examination Results.

Examination Category **B-Q**, Steam Generator Tubing, is reported per the requirements of the Plant Technical Specifications.

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Repair/Replacement Activities for Cycle 27 (94 pages attached) Section 8.

47 NIS-2 forms are attached which identify Prairie Island Unit 1 Repair/ Replacement Activities during fuel cycle 27, 4th ISI Interval. The gaps in item number sequence are due to cancelled or unfinished R/R activities.

Item#	WO, EEC,	Description of Work Completed	SYSTEM	Code
	MOD #s	The Control of the Co		Class
1-27-001	409113-01, EC-16381	Install vent at high point in piping to comply with GL08-01.	RH	2
1-27-002	376988-01	Replaced body to bonnet fasteners.	ZH	3
1-27-003	75988-01	Replaced body to bonnet fasteners.	ZH	3
1-27-007	448276-01	Rebuilt spare charging pump packing assemblies.	VC	2
1-27-009	462624-01	Replaced section of pipe.	ZH	3
1-27-010	460988-01, 460988-08, 406988-11	Prefabricated new internal check valve assembly and replaced within the valve. Replaced 2 body to bonnet fastener studs and all body to bonnet nuts.	RC	1
1-27-012	460990-04	Replaced valve, associated piping, and support antitravel lugs. New valve also required disassembly for inspection and maintenance, which required the canopy weld to be severed and rewelded after maintenance.		1
1-27-013	286550-01	Replaced plug.	ZX	3
1-27-014	404174-01, EC-17150	Replaced valve	RC .	1
1-27-015	446322-01, EEC-1618	Replaced valves.	CC	3
1-27-017	434358-01	Replaced valve block.	SG	1
1-27-018	434357-01	Replaced valve block.	SG	1
1-27-020	381585-10	Replaced manway fasteners.	SI	2
1-27-021	426173-01, EC-15389	Replaced mechanical seals with new cartridge type seals with integral gland plate.	cc	3
1-27-022	439439-01, EC-16381	Install vent at high point in piping to comply with GL08-01.	RH	2
1-27-023	459784-01, EC-19490	Modified wedge to prevent pressure locking.	SI	2
1-27-024	432633-01, IEE-2011-100	Replaced valve.	CL	3
1-27-025	459783-01, EC-19490	Modified wedge to prevent pressure locking.	SI	2
1-27-026	461928-06, EC-20212	Install high point vent to remove non- condensable gases from the RCS. Increased the line and valve size to 1" and added new support.	RC	1
1-27-028	431025-01	Remove and reweld support integral attachment.	RH	2

Item#	WO, EEC, MOD #s	Description of Work Completed	SYSTEM	Code Class	
1-27-029	357044-01,	Restored base material eroded due to bent bar	VC	1	
	357044-09,	rubbing at support. Support modified to bring it			
	EC-21085	into specified design.			
1-27-030	434353-05	Replaced piston.	SN	yes	
1-27-031	436913-01, EC-13768	Replaced internal trim including the plug.		3	
1-27-033	434079-07,			2	
1-27-033	EEC-1096				
1-27-034	359738-01	Replaced valve internals.	MS	2	
1-27-035	395735-04	Replaced secondary manway cover fastener	SG	2	
		set at hole #10.			
1-27-037	416694-01	Replaced the valve disc and body to cover fasteners.	SI	1	
1-27-038	387807-01	Replaced mechanical seal.	RH	2	
1-27-039	407259-16	Plugged tubes in Heat Exchanger.	RH	2	
1-27-040	416695-01	Replaced the valve disc.	SI	1	
1-27-041	467445-01	Replaced body to bonnet fasteners.	RH	1	
1-27-042	406143-01	Replaced inlet flange fasteners.	RH	2	
1-27-043	467778-01, EC-21095	Replaced piping segment and associated flange fasteners.	CL	3	
1-27-044	372187-05	eplaced 2 manway fastener sets. CC		3	
1-27-045	434080-01	Replaced existing Superbolt nuts like-for-like	MS	2	
		due to damage during removal.		l ⁻	
1-27-046	434078-01	Replaced existing Superbolt nuts like-for-like	MS	2	
		due to damage during removal.			
1-27-047	399970-01, IEE 2011-099	Replaced disc with stronger material.	AF	3	
1-27-048	414263-01, IEE-2012-123	Replace the valve plug.	VC	2	
1-27-049	468512-01, EC-21134	Installed flush patch to restore pipe corroded due to MIC.	CL	3	
1-27-051	398397-01	Replaced body to bonnet fastener set.	RH	2	
1-27-052	396243-03	Replaced inlet flange nut.	RC	1	
1-27-053	422883-01	Replaced the flange fasteners due to corrosion.	CL	3	
1-27-054	459748-01	Tack welded plug to plug nut due to the valve MS		2	
1-27-055	467950-01	stem replacement. Replaced CC piping support eye rod to meet the designed configuration.	cc	3	
1-27-056	469996-01	Cut out and rewelded pipe to fitting to attain proper flange to flange alignment.		1	
1-27-057	468269-01	Shortened pipe section to obtain the proper slope condition.	RC	1	
1-27-058			VC	2	

									ITEM 1-27-0	01	
1.	Owner	Xcel Energy	, NSP-M Nuc	lear Department		Date 10/4	4/2011				
2.	Plant	Prairie Islan	d Nuclear Ge	Name nerating Plant		Sheet	1	of	2		
		Name 1717 Wakonade Dr. E, Welch Minnesota 55089				409113-01, E	EC-16381				
3.	Work Pe	Address Work Performed by Owner					pair Organizat Symbol Stamp	ion P.O. No	on P.O. No., Job No., etc		
	Name Same					Authorization		N/A			
				Address		Expiration D	Date	N/A		··········	
4.	Identific	ation of Syst	em RH			Code Class	2				
5.	(a) Appli	icable Consti	uction Code	B31.1	<u> </u>	1967			Edition/Addenda		
	Addenda n/a					Code Cases n/a			·		
	(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A										
	(c) Appl	icable Sectio	n XI Code Ca	ases None							
6.	Identific	ation of Com	ponents					-			
	Compo	onent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	RH Sys	tem Piping					2-RH-18		Installed		
7.	Description of Work Install vent at high point in piping to comply with GL08-01.										
8.	Tests c	onducted:	Ну	drostatic Pn	eumatic N	ominal Opera	ting Pressure	Exem	pt 🗌		
			Oth	ner 🔲 🐪 Pro	essure N	IOP psi	Test Temp.		NOT ° F		
0	ther: n/a	a .									

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

ITEM 1-27-001
D. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
7
Certificate of Authorization No NA Expiration Date
Signed , ASME Program Engineer Date 10/4/1/
Owner's Designee , Title
Official Chilips of Societies 1 The
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
Thousand accompany in the Office of Report in accordance that the regaliterize of the first forther of the
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions NB 1/085 A.N.1
Inspector's Signature National Board, Province and Endorsements
\mathcal{L}
Date

										11EW 1-27-00	32		
1.	Owner	Xcel Energy	, NSP-M Nuc	lear Department		Date	4/9/2012						
2.	Plant	Name Prairie Island Nuclear Generating Plant			Sheet	1		of	2				
	•	Name 1717 Wakonade Dr. E, Welch Minnesota 55089)1						
		Address					Repair Organization P.O. No., Job No., etc						
3.	Work Pe	ork Performed by Owner				Type Code Symbol Stamp		Stamp N	N/A				
		Name Same				Authorization			N/A				
				Address		Expiration Date		<u> </u>	N/A				
4.	identific	ation of Syst				Code Cla	iss 3						
5.	(a) Appli	icable Constr	ruction Code	B16.34	,	n/a		· ·		Edition/Addend	í a		
			Addenda	n/a	-	Code Ca	ses n/a	.,			•		
	(b) Appl	icable Editio	n of Section	XI Utilized for Re	pair/Replacement	ent Activity 1998E / 2000A					•		
	(c) Appli	icable Sectio	n XI Code Ca	ases None									
6.	Identific	ation of Com	ponents .					_					
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd	# Other	ID Yr	Built	Corrected, Removed, or Installed	ASME Code Stamp		
		A & B CHLD W C-CONN	VTR SPLY	Powell			ZH-22-	1		Corrected			
7.	Descrip	Description of Work Replaced body to bonnet fasteners.											
8.	Tests c	Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑											
	Other ☐ Pressure					ĺ	psi Test	Temp.		۰F			
0	ther: n/a	1						_					

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

	ITEM 1-27-002
0. Remarks	
9. Remarks	
<u> </u>	
	
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CERTIFICATE OF	F COMPLIANCE
We certify that the statements made in the report are correct and this	
,	- Total to the requirements of the North 2 state, seed of No.
Type Code Symbol Stamp /////	
Certificate of Authorization 100 M/A Expiral	tion Date
Signed , ASME Program	Engineer Date 4/9//2
Owner or Owner's Designee , Title	Lingineer Date 477//2 ,
Owner or Owner's Designee , Title	
CERTIFICATE OF INC	ERVICE INSPECTION
CERTIFICATE OF INS	ERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the	
	ota and employed Hartford Conn. have inspected
by <u>HSB Insp. and Ins. Co. of Connecticut</u> of the components described in this Owner's Report during the	
and state that to the best of my knowledge and belief, the O	
measures described in this Owner's Report in accordance w	vith the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his concerning the examinations and corrective measure de	employer makes any warranty, expressed or implied,
the Inspector nor his employer shall be liable in any manner	
any kind arising from or connected with this inspection.	Tot any personal injury of property damage of a loss of
$+\infty$	[. A
Commission	15 AB 12085 A.N.1 MN 21924
Ihspector's Signature	National Board, Province and Endorsements
Date 4 pul 13 2012	
<u> </u>	•
•	

								ITEM 1-27-06	03		
1.	Owner	Xcel Energy, NSP-M Nu	iclear Department		Date 2/22	/2012					
			Name								
2.	Plant	Prairie Island Nuclear G	enerating Plant		Sheet	<u> 1</u>	of	2			
		1717 Wakonade Dr. E,	Name Welch Minnesota 55	089	75988-01						
			Address		Repair Organization P.O. No., Job No., etc						
3.	Work Pe	Work Performed by Owner Name Same					N/A				
							N/A	N/A			
			Address		Expiration D	ate	N/A				
4.	ldentific	ation of System ZH		-	Code Class	3					
5.	(a) Appl	icable Construction Cod	le B16.34	,	n/a			Edition/Addend	ddenda		
	Addenda n/a				Code Cases	n/a					
	(b) Appl	licable Edition of Section	n XI Utilized for Rep	pair/Replacement	ent Activity 1998E / 2000A			1			
	(c) Appli	icable Section XI Code (Cases None								
6.	Identific	ation of Components					•				
	Compo	onent Name	Manufacturer Name	Manufacturer Serial #	Nat'i Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp		
		CONT RM CHLD WTR SUCT X-CONN	Powell .			ZH-1-8		Corrected			
7.	Descrip	otion of Work R	eplaced body to bon	net fasteners.							
8.	Tests c	conducted: H	ydrostatic Pn	eumatic N	ominal Operat	ing Pressure	Exem	pt 🗸			
		Ö	ther Pro	essure	psi	Test Temp.		۰F			
О	ther: n/a	a									

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

11EW 1-27-003
9. Remarks
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp //4
Certificate of Authorization No. 1/4 Expiration Date
Signed , ASME Program Engineer Date 2/22/12
Owner or Owner's Designee . Title
The state of the s
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed
Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions No 12085 A. N. 1 md 81924
Inspector's Signature National Board, Province and Endorsements
Date
\mathcal{O}

						ITEM 1-27-00) (
1. Owner Xcel Energy, NSP-M	Nuclear Department	•	Date 8/3/2	2012				
	Name							
Plant Prairie Island Nuclea	r Generating Plant		Sheet	1	of	2		
1717 Wakonade Dr.	Name E; Welch Minnesota 55	089	448276-01					
	Address		Re	pair Organizat	ion P.O. N	o., Job No., etc		
3. Work Performed by Owner			Type Code S	ymbol Stamp	N/A			
	Name	Name		Authorization		N/A		
Same						N/A		
A Haratte day of Orators	Address		Expiration Date		INIA			
4. Identification of System	VC		Code Class	2				
(a) Applicable Construction C	ode n/a	_,	n/a			Edition/Addend	ia	
Adde	nda n/a		Code Cases	n/a				
(b) Applicable Edition of Sect	ion XI Utilized for Rep	pair/Replacement	Activity	1998E / 2000	A _.	•		
(c) Applicable Section XI Cod	e Cases None					,		
6. Identification of Components		·			-		•	
Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
Spare Charging Pump Packing Assemblies	Goulds			Spares		Corrected		
7. Description of Work	Rebuilt spare charging	pump packing as	semblies.					
8. Tests conducted:	Hydrostatic Pn	eumatic 🔲 N	ominal Operat	ing Pressure	☐ Exem	pt 🔽		
	Other Pre	essure	psi	Test Temp.		۰F		
Other: n/a								

ITEM	1-27-007
9. Remarks	
, Ivaniano	
	
	·
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code,	Section XI.
Type Code Symbol Stamp	
	
Certificate of Authorization No. 1/4 Expiration Date	
Signed, ASME Program Engineer Date 8/3/12 ,	
Owner or Owner's Designee , Title	
CERTIFICATE OF INSERVICE INSPECTION	•
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure V	/essel
	and employed
	nave inspected
the components described in this Owner's Report during the period <u>AFE612</u> to <u>GSAU</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and ta	
measures described in this Owner's Report in accordance with the requirements of the ASME Code,	
By signing this certificate neither the Inspector nor his employer makes any warranty, expres	sed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Further	
the Inspector nor his employer shall be liable in any manner for≔any personal injury of property dama∢ any kind arising from or connected with this inspection.	ge of a loss of
	•
Commissions 1005 A.M. MA 21729	·
Inspector's Signature National Board, Province and Endors	sements
Date Quaust 03 2012	
,	

	•								ITEM 1-27-00)9
1.	Owner	NSPM d/b/a	Xcel Energy			Date 8	/27/2012			
				Name		-				
2.	Plant	Prairie Island	Nuclear Ge	nerating Plant		Sheet	1	of	2	
	Name 1717 Wakonade Dr. E, Welch Minnesota 55089					462624-01				
			Α	ddress			Repair Organizati	on P.O. No	o., Job No., etc	
3.	Work Pe	rformed by	Owner			Type Cod	e Symbol Stamp	N/A		
	Same			Name		Authorization		N/A		
				ddress		Expiration	n Date	N/A		
4.	Identific	ation of Syste		laarooo		Code Clas	ss . 3			
5.	(a) Appl	icable Constru	ction Code	B31.1	و	1967	1.	Edition/Addenda		
			Addenda	n/a		Code Cases n/a				
	(b) Appl	licable Edition	of Section	XI Utilized for Rep	air/Replacement	ent Activity 1998E / 2000A ,				
	(c) Appl	icable Section	XI Code Ca	ises None					-	
6.	Identific	ation of Comp	onents					•		
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	Chilled	Water Pipe		n/a			3-ZH-2		Installed	
7.	Descrip	ption of Work	Rep	placed section of pi	oe.					
8.	Tests c	onducted: 🕠	Hyd	drostatic Pne	eumatic No	ominal Ope	erating Pressure	Exem	pt 🗀	
			Oth	ner Pre	ssure _. N	ОР р	si Test Temp.		NOT °F	
0	ther: n/a	a								

11-27-009
O Demandra VT 2 recorded on Poned POR VT 12 001
9. Remarks VT-2 recorded on Report BOP-VT-12-061.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
1/2
Type Code Symbol Stamp N/H
Certificate of Authorization 186. VA Expiration Date
Signed ASME Program Engineer Date 8/27/12
Owner or Owner's Designee , Title
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
\cdot
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period <u>\$\$\sigma_1\text{\$\text{\$\sigma_1\text{\$\color{\c</u>
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
Theastres described in this Owner's Report in accordance with the requirements of the Nowie Code, Occion XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 12085 A.N. 1 M. 21924
Inspector's Signature National Board, Province and Endorsements
Date (\(\frac{1}{2} \) \(\frac{1}{2} \

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

								11-11 1-27-0	10		
1.	Owner	NSPM d/b/a Xcel Ene	rgy		Date 3/4/2	2013					
2.	Plant	Prairie Island Nuclear	Name Prairie Island Nuclear Generating Plant			1	of	2			
		1717 Wakonade Dr. E	Name , Welch Minnesota	55089	460988-01, 460988-08, 406988-11						
			Address		Re	pair Organizat	ion P.O. N	o., Job No., etc			
3.	Work Pe	rformed by Owner				ymbol Stamp	N/A				
		Same	Name	····	Authorization		N/A				
			Address		Expiration D	ate	<u>N/A</u>	·			
4.	Identific	ation of System F	RC		Code Class	1					
5.	(a) Appl	oplicable Construction Code B16.34			n/a	•	•	Edition/Addend	la		
		Adden	ıda n/a		Code Cases	n/a 🗥 🐪					
	(b) Appl	icable Edition of Secti	able Edition of Section XI Utilized for Repair/Replacem			1998E / 2000	1998E / 2000A				
	(c) Appi	icable Section XI Code	Cases None								
6.	identific	ation of Components	 :				-				
	Compo	nponent Name Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp			
		g Inject Line to Loop B g Check	Velan			SI-9-1		Corrected			
7.	Descri	otion of Work	Prefabricated new bonnet fastener st	internal check valve uds and all body to b	assembly and roonnet nuts.	eplaced within t	he valve.	Replaced 2 body	to		
8.	Tests o	Tests conducted: Hyd		Pneumatic 🗌 📗	Nominal Opera	ting Pressure	Exem	pt 🗸			
		٠	Other 🗌	Pressure	psi	Test Temp.		۰F			
О	ther: n/a	3									

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-010 Pre-Service VT-1 exams recorded on Report #'s 2012V129 and 2012V140. 9. Remarks CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization No. **Expiration Date** ASME Program Engineer Date Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed Minnesota HSB Insp. and Ins. Co. of Connecticut have inspected of Hartford Conn. the components described in this Owner's Report during the period _____ 11JUL12 OCOMAR13 to _ and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection. 1/2085 A.N.I Commissions ___ National Board, Province and Endorsements Inspector's Signature arch 06, 20013 Date_

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-012

3/14/2013 NSPM d/b/a Xcel Energy Date Owner Name 2 Plant Prairie Island Nuclear Generating Plant Sheet of Name 460990-04 1717 Wakonade Dr. E, Welch Minnesota 55089 Repair Organization P.O. No., Job No., etc Address Work Performed by Owner Type Code Symbol Stamp N/A Name Authorization N/A Same **Expiration Date** N/A Address Code Class Identification of System SI (a) Applicable Construction Code B16.34 Edition/Addenda Addenda Code Cases n/a n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None **Identification of Components Component Name** Manufacturer Manufacturer Nat'l Bd# Other ID Yr Built Corrected, ASME Serial # Removed, or Code Name Installed Stamp Cold Leg INJ Line to loop B Cold SI-16-4 Rockwell Edwards Installed Leg Chk valve 1-RSIH-94 Installed Antitravel Lugs Replaced valve, associated piping, and support antitravel lugs. New valve also required disassembly for inspection and maintenance, which required the canopy weld to be severed and rewelded after 7. **Description of Work** maintenance. Nominal Operating Pressure 🔽 Exempt 🗌 Hydrostatic [7] Pneumatic [Tests conducted: Other | Pressure NOP Test Temp. NOT ۰F Other: n/a

ITEM 1-27-012

9. Remarks	Pre-service surface exams documented on reports 2012P009 thru 2012P013. Pre-service UT exams recorded on reports
	2012U081, 2012U082, and 2012U083. VT-2 exam recorded on report BOP-VT-13-017.
· · · · · · · · · · · · · · · · · · ·	
	CERTIFICATE OF COMPLIANCE
•	that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code	e Symbol Stamp N/A
Certificate	of Autherization No. 1
Signed	, ASME Program Engineer Date 3/14/13
	Owner or Owner's Designee , Title
	CERTIFICATE OF INSERVICE INSPECTION
I the under	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors	and the State or Province of Minnesota and employed
by H	SB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
	ents described in this Owner's Report during the period <u>אטור2</u> to <u>ושאמול</u> at to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
	lescribed in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning	the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspecto	or nor his employer shall be liable in any manner for any personal injury of property damage or a loss of sing from or connected with this inspection.
any kina an	
$-\left(\frac{1}{2}\right)$	Spector's Signature Commissions 1/265 ANI MA 31924 National Board, Province and Endorsements
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Date	4 Janch 14, 2013

		•			,			ITEM 1-27-0	13
1.	Owner	Xcel Energy, NSP-M	Nuclear Department		Date 8/1/2	2012			
2. Plant Prairie Island Nuc			Name Generating Plant	 	Sheet	1	of	2	
	Name 1717 Wakonade Dr. E, Welch Minnesota 55089				286550-01				
_			Address		Rej	pair Organizat	ion P.O. N	o., Job No., etc	
3.	Work Pe	rformed by Owner	Name	·	Type Code S	ymbol Stamp	N/A	· 	
		Same		Authorization		N/A			
			Address		Expiration Da	ate	N/A		
4.	ldentific	ation of System Z	X		Code Class	3			
5.	(a) Appli	a) Applicable Construction Code B16.34			n/a Edition/Addend			la	
		Adden	da <u>n/a</u>		Code Cases	n/a			
	(b) Appl	icable Edition of Secti	on XI Utilized for Rep	air/Replacement	ent Activity 1998E / 2000A				
	ilaaA (a)	cable Section XI Code	Cases None						
6.		ation of Components					-		
	Compo	nent Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	12/14 F	CU CLG WTR RTRN C	V Masoneilan			CV-39409		Corrected	
7.	Descrip	otion of Work	Replaced plug.						
8.	Tests c	oṇducted:	Hydrostatic Pn	eumatic N	ominal Operat	ing Pressure	Exem	pt 🗸	
		•	Other Pre	essure	psi	Test Temp.		۰F	
C	ther: Ex	ercise and function testi	ng per IST requiremen	its.				:	

11EM 1-27-013
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization Na Expiration Date
Signed (III , ASME Program Engineer Date 8/1/20/2 .
Owner or Owner's Designee , Title
·
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 28 MAY 08 to 01AUC-12.
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions NB 12085 A.N. Md 21924
Inspector's Signature National Board, Province and Endorsements
Date
. /

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

									ITEM 1-27-01	14	
1.	Owner	NSPM d/b/a	Xcel Energy			Date 2/22	2/2013			•	
2,	Name Prairie Island Nuclear Generating				· <u>·</u>	Sheet	1	of	of ²		
		Name 1717 Wakonade Dr. E, Welch Minnesota 55089			89	404174-01, E	EC-17150				
3.	Work Per	Address Work Performed by Owner				· -			P.O. No., Job No., etc N/A		
	Same			Name		Authorization		N/A			
				Address		Expiration D	ate	N/A			
4.	identific	ation of Syste				Code Class	1				
5.	(a) Appli	cable Constru	uction Code	B31.1	1967	Edition/Add			ia		
			Addenda	n/a		Code Cases n/a					
	(b) Appli	cable Edition	of Section	XI Utilized for Repa	air/Replacement	Activity					
	(c) Appli	cable Section	XI Code Ca	ases None							
6.		ation of Comp			· · · · · · · · · · · · · · · · · · ·	····		-	·		
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	U1 PRZ valve	R SPRAY LIN	E DRN	Rockwell Edward			RC-8-10	ļ !	Installed		
7.	Descrip	tion of Work	Re	placed valve							
8.	Tests c	onducted:	Ну	drostatic Pne	eumatic N	ominal Opera	ting Pressure	Exem	pt 🔽		
			Oti	ner 🔲 Pre	ssure	psi	Test Temp.		۰F		
C	ther: n/a	L.		_							

ITEM 1-27-014
9. Remarks
o. Nemarko
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
()
Certificate of Authorization No. Expiration Date
Signed, ASME Program Engineer Date
Owner or Owner's Designee , Title
OFFICIAL OF MORPHOS MOREOTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 18085 A.N.1 md 21924
(Inspector's Signature) Commissions Tues A.V. National Board, Province and Endorsements
Date

ITEM 1-27-015

1.	Owner NSPM d/b/a Xcel Energy					Date	1/8/2	2013				
2.	Plant	Prairie Island Nucle	ar Ge	Name nerating Plant		Sheet		1	of	2	-	
		1717 Wakonade Dr.	. E, W	Name /elch Minnesota 5	5089	446322-0	1, E	EC-1618				
3. Work Performed by Owner			•	Address		Repair Organization Type Code Symbol Stamp			ion P.O. No N/A	on P.O. No., Job No., etc		
	Same			Name		Authoriza		•	N/A			
4.	4. Identification of System			Address		Expiratio Code Cla		ate 3	N/A			
5.		cable Construction	CC Code	B31.1		1967			Edition/Addenda			
	Addenda n/a					Code Cas	ses	n/a	_	<u> </u>		
		cable Edition of Sec cable Section XI Co			epair/Replacement ;	t Activity		1998E / 2000				
6.		ation of Component		ises indite		-			- .			
	Compo	nent Name	_	Manufacturer Name	Manufacturer Serial #	Nat'l Bd	#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	11 CC S ROOT V	URGE TNK L24064 /LV		Vogt				LA-1-48		Installed		
	11 CC S ROOT V	URGE TNK L24064 /LV		Vogt				LA-1-47		Installed		
7.	Descrip	tion of Work	Re	olaced valves.								
8.	Tests c	onducted:	Ну	drostatic P	'neumatic	lominal Op	erat	ing Pressure	☑ Exem	pt 🗌		
	ther: n/a		Oti	ner P	ressure N	IOP I	iac	Test Temp.		NOT ° F		

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-015
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
//
Certificate of Authorization No. 1/4 Expiration Date
Signed ASME Program Engineer Date // 8 /2013,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period OBSEP12 to 12 MARYS
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 10085 A.N.1 mN 81924
Inspector's Signature National Board, Province and Endorsements
Date

										ITEM 1-27-01	17	
1.	Owner	NSPM d/b/a Xcel E	energy			Date	12/12	2/2012				
			Name			-						
2.	Plant	Prairie Island Nucle		Sheet		1	of	2				
	Name 1717 Wakonade Dr. E, Welch Minnesota 55089						1					
			Address		•		Rep	air Organizat	ion P.O. N	o., Job No., etc		
3.	Work Pe		Type Code Symbol Stamp Authorization Expiration Date			N/A	N/A					
						N/A	N/A					
						N/A	N/A					
4.	Identific	Address cation of System SG				Code Class		1				
5.	(a) Appli	cable Construction	e Construction Code B31.1 , Addenda n/a			1967 Code Cases n/a			Edition/Addenda			
		Add										
	(b) Appl	icable Edition of Se	ection XI Utilized for	Repa	air/Replacement	nt Activity 1998E / 2000A)A			
	ilaaA (a)	cable Section XI C	ode Cases None									
6.		ation of Componen			<u> </u>				-			
	Compo	nent Name	Manufacture Name	r	Manufacturer Serial #	Nat'l Bd	#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	SG Snu	bber Block Valve	McDowell We	lman	72218-000-09			12S/G 02		Installed		
7.	Descrip	otion of Work	Replaced valve bl	lock.		·			<u>. </u>			
8.	Tests c	onducted:	Hydrostatic 🔲	Pne	umatic N	ominal Op	erati	ing Pressure	Exem	pt 🔽		
			Other [7]	Pres	ssure	ı	osi	Test Temp.		۰F		
Ot	her: n/a	1										

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

ITEM 1-27-018 NSPM d/b/a Xcel Energy Date 12/4/2012 Owner Name 2. Plant Prairie Island Nuclear Generating Plant Sheet of Name 1717 Wakonade Dr. E, Welch Minnesota 55089 434357-01 Address Repair Organization P.O. No., Job No., etc 3. Work Performed by Owner Type Code Symbol Stamp N/A Name Authorization Same **Expiration Date** N/A Address Identification of System Code Class 1967 B31.1 Edition/Addenda (a) Applicable Construction Code Code Cases n/a Addenda n/a 1998E / 2000A (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity (c) Applicable Section XI Code Cases **Identification of Components** ASME Manufacturer Nat'l Bd # Other ID Yr Built Corrected, **Component Name** Manufacturer Name Serial # Removed, or Code installed Stamp SG Snubber Block Valve McDowell Welman 72218-000-01 11S/G 02 Installed **Description of Work** Replaced valve block. Nominal Operating Pressure | Exempt | Tests conducted: Hydrostatic Pneumatic ۰F Other |

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

Other: n/a

 $\mathcal{M}_{\mathcal{A}}(\mathcal{A}) = \mathcal{Y}_{\mathcal{A}}$

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-018 VT-3 exam recorded on Report # 2012V119 9. Remarks CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization 1903 **Expiration Date** ASME Program Engineer Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ Minnesota and employed HSB Insp. and Ins. Co. of Connecticut have inspected of <u>Hartford Conn.</u> the components described in this Owner's Report during the period 11DEC12 14SEP12 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection. Commissions National Board, Province and Endorsements cember) 11, 2012 Date

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-020

1.	Owner	NSPM d/b/a Xcel Energ		Date 12/1	7/2012				
2.	Plant Prairie Island Nuclear Generating Plant				Sheet	1	of	2	
		1717 Wakonade Dr. E,	Name Welch Minnesota 55	089	381585-10				
3.	Work Pei	formed by Owner	Address		•	pair Organizati ymbol Stamp	on P.O, N N/A	o., Job No., etc	
		Same	Name		Authorization N/A				
4.	Identifica	ation of System SI	Address		Expiration D Code Class	ate 2	<u>N/A</u>		
5.	(a) Appli	cable Construction Cod	de API-650	· · · · · · · · · · · · · · · · · · ·	n/a	· · · · · · · · · · · · · · · · · · ·		Edition/Addend	la
		- Addend	a <u>n/a</u>		Code Cases	n/a			
	(b) Appli	cable Edition of Sectio	n XI Utilized for Rep	pair/Replacement	Activity	1998E / 2000	A		
	(c) Appli	cable Section XI Code	Cases None		•				
6.	identifica	ation of Components	<u></u>			·-·	•		
	Compo	nent Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	11 RWS	ST	Chicago Bridge and Iron			153-081	7	Corrected	
7.	7. Description of Work Replaced manway fasteners.								
8.	Tests c	onducted: H	lydrostatic 🔲 🏻 Pn	eumatic	ominal Operat	ting Pressure	☐ Exem	pt 🗾	
		C	other Pre	essure	psl	Test Temp.		۰۴	
0	ther: n/a								

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

1-27-020
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization 1901 N 4 Expiration Date
Signed, ASME Program Engineer Date
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of <u>Minnesota</u> and employed by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected
the components described in this Owner's Report during the period 195912 to 2706019
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
() real () () () () () () () () () (
Inspector's Signature National Board, Province and Endorsements
Date Lucember 67 , Note
·

1. Owner NSPM d/b/a Xcel Energy Date 2/21/2013 Name								
Name								
2. Plant Prairie Island Nuclear Generating Plant Sheet 1 of 2								
Name 1717 Wakonade Dr. E, Welch Minnesota 55089 426173-01, EC-15389								
Address Repair Organization P.O. No., Job No., 3. Work Performed by Owner Type Code Symbol Stamp N/A	etc							
Name Same Authorization N/A								
Address Expiration Date N/A								
4. Identification of System CC Code Class 3								
5. (a) Applicable Construction Code n/a , n/a Edition/Ad	lenda							
Addenda n/a Code Cases n/a								
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A								
(c) Applicable Section XI Code Cases None 6. Identification of Components								
Component Name Manufacturer Manufacturer Nat'l Bd # Other ID Yr Built Corrected Removed Installed								
12 CC pump Goulds 222B996-2 145-122 Corrected								
7. Description of Work Replaced mechanical seals with new cartridge type seals with integral gland plate.								
. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt								
Other Pressure psi Test Temp.	۰F .							
Other: n/a								

ITEM 1-27-021
9. Remarks
·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp $\sqrt{\mu}$
Certificate of Authorization No. N/H Expiration Date
Signed
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
West Control of the Entrol Control of the Entrol Control of the Entrol o
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 26SEP12 to 27FE613
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
Commissions ໄດ້ຈະ ຄະນະ ການ ສາຊາ 4 Inspector's Signature National Board, Province and Endorsements
Mational Board, Flovince and Endoisements
Date 27 , 2013

					•				11EW 7-27-02	22			
1.	Owner	NSPM d/b/a	Xcel Energy			Date 2/8/2	2013						
2.	Plant	Prairie Islan	d Nuclear Ge	Name nerating Plant		Sheet	1	of	2				
		Name 1717 Wakonade Dr. E, Welch Minnesota 55089					439439-01, EC-16381						
3.	Work Pe	rformed by	Owner	Address		Repair Organization P.O. No., Job No., etc Type Code Symbol Stamp N/A							
	Name Same Address) 1	N/A					
				\ddress ·		Expiration Da	ate	N/A					
4.	Identific	ation of Syst	em RH			Code Class	2						
5.	(a) Appl	icable Consti	ruction Code	B31.1	,	1967	•	Edition/Addenda					
			Addenda	n/a		Code Cases	n/a						
	(b) Appi	icable Editio	n of Section	XI Utilized for Rep	air/Replacement	Activity	•						
	(c) Appli	icable Sectio	n XI Code Ca	ases None									
6.	Identific	ation of Com	ponents					•					
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp			
	RHR S	stem Piping					2-RH-12		Installed				
7.	Descrip	otion of Work	<u>Ins</u>	tall vent at high poir	nt in piping to com	ply with GL08-0	01.						
8.	Tests c	onducted:	Hye	drostatic Pne	eumatic N	ominal Operat	ing Pressure	✓ Exem	pt 🗌				
			Oti	ner 🦳 Pre	essure N	IOP psi	Test Temp.		NOT °F				
0	ther: n/a	1		1			_						

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

A Market Commence of the Commence of

ITEM 1-27-022 VT-2 pressure test recorded on report BOP-VT-12-142. 9. Remarks CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp **Expiration Date** Signed ASME Program Engineer Date Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ______Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. the components described in this Owner's Report during the period 120cn 12. have inspected to 24DFCB13 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection. Commissions _ National Board, Province and Endorsements Inspector's Signature Date

										ITEM 1-27-02	23
1.	Owner	NSPM d/b/a Xcel En	ergy			Date 3/6	/2013				
2.	Plant	Prairie Island Nuclea	ır Ge	Name nerating Plant		Sheet	1		of	2	,
		Name 1717 Wakonade Dr. E, Welch Minnesota 55089				459784-01,	EC-1949	0			
3.	3. Work Performed by Owne			Address		R Type Code	-	_	on P.O. N N/A	o., Job No., etc	
	Same			Name		•	Authorization		N/A		
4.	Identifica	ation of System	SI	Address		Expiration Date Code Class 2			N/A		- -
5.	(a) Appli	cable Construction	Code	B16.34		n/a				Edition/Addend	da
Addenda n/a Code Cases n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None 6. Identification of Components											
	Compo	nent Name	•	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other	ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	12 RHR SUCT IS	HX TO 12 SI PUMP SOL MV		Crane/Alloyco			MV-32	2207		Corrected	
7.	7. Description of Work Modified wedge to prevent pressure locking.										
8.	Tests c	onducted:	Ну	drostatic Pn	eumatic N	iominal Opera	ating Pre	essure	☐ Exem	pt 🗸	
		٠	Ot	her Pre	essure	psi	Test	Temp.		• F	
0	ther: n/a	1				-					

ITEM 1-27-023
9. Remarks
5. Remarks
OFFICIATE OF COMPUNION
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. 1 Expiration Date
Signed (X) , ASME Program Engineer Date 3/6/1/3
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
······································
l, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected the components described in this Owner's Report during the period CDS oct 12. to COG MARIS
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
 By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 1/2085 A W.1 MA 31924 Inspector's Signature / National Board, Province and Endorsements
Inspector's Signature / National Board, Province and Endorsements
Date Work 06 2013
The same of the sa

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

									11EW 1-27-07	24		
1.	Owner	NSPM d/b/a	Xcel Energy			Date 10/2	24/2012	•	,			
2.	Plant	Prairie Islan	d Nuclear Ge	Name nerating Plant		Sheet	1	of	2			
		1717 Wakor	nade Dr. E, W	Name /elch Minnesota 5	5089	432633-01, IEE-2011-100						
,	Mark Bo	rformed by	Owner	Address		Repair Organization P.O. No., Job No.,						
3.	WORK PE	riormeu by	Owner			Type Code S	Symbol Stamp	<u>N/A</u>				
	·		Same	Name	•	Authorization			N/A			
	I. Identification of System CL			Address		Expiration D	ate	N/A				
4.						Code Class	3					
5.	(a) Appli	cable Constr	ruction Code	B31.1	,	1967			Edition/Addenda			
			Addenda	n/a		Code Cases n/a			· ·			
	(b) Appi	icable Editio	n of Section	XI Utilized for Re	pair/Replacement	t Activity	1998E / 2000	00A				
	(c) Appli	cable Section	n XI Code Ca	ases None								
6.	Identific	ation of Com	ponents					-				
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp		
	121 CL	3 WTR PMP I	DISCH CHK	Crane			CL-43-3		Installed			
7.	Descrip	tion of Work	Re	placed valve.						<u></u>		
8.	Tests c	onducted:	Ну	drostatic 🔲 📆 Pı	neumatic N	lominal Opera	ting Pressure	Exem	pt 🔽			
			Oti	ner 🗌 Pı	ressure	psi	Test Temp.		• F	••		
0	ther: n/a	1 					·		·			

11EW 1-27-024
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization plo. Expiration Date
Signed (XX), ASME Program Engineer Date 10/24/12,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of <u>Minnesota</u> and employed by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected
the components described in this Owner's Report during the period 1200712 to 05Nov 12.
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
nspector's Signature National Board, Province and Endorsements
Date ovember 3, 2012

									ITEM 1-27-02	25	
1.	Owner NSPM d/b/a Xcel Energy					Date 3/6/2	2013				
2.	Plant	Prairie Island	d Nuclear Ge	Name enerating Plant		Sheet	1	of	2		
		1717 Wakon	ade Dr. E, V	Name Velch Minnesota 58	5089	459783-01, E	C-19490				
		Address Work Performed by Owner					pair Organizat	ion P.O. No., Job No., etc			
3.	Work Per						ymbol Stamp	N/A			
	Name Same					Authorization			N/A		
				Address		Expiration Date		<u>N/A</u>			
4.	Identific	ation of Syste	-			Code Class	2				
5.	(a) Appli	cable Constr	uction Code	B16.34		n/a Ed			Edition/Addend	dition/Addenda	
			Addenda	n/a		Code Cases ni/a					
	(b) Appli	icable Edition	of Section	XI Utilized for Re	pair/Replacement	nt Activity 1998E / 2000A					
	(c) Appli	cable Section	ı XI Code C	ases None							
6.		ation of Com						_			
	Compo	nent Name	_	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
		HX TO 11 SI SOL MV	PUMP	Crane/Alloyco			MV-32206		Corrected		
7.	Descrip	tion of Work	Mo	Modified wedge to prevent pressure locking.							
8.	Tests c	ests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 🗸									
Other Pressure						psi	Test Temp.		۰F		
C	ther; n/a	١									

11EM 1-27-025
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. // / Expiration Date
Signed ASME Program Engineer Date 3/6/13
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 170112 to 0600213, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
~~~
Commissions 1/2085 ANI MN 01924
Inspector's Signature National Board, Province and Endorsements
Date

										ITEM 1-27-02	26	
1.	Owner	NSPM d/b/a Xcel End	ergy				Date 1	2/6/2012				
2. ·	Plant	Prairie Island Nuclea	r Ge	<u>`</u>		-	Sheet	1	of	2	<del></del>	
		1717 Wakonade Dr.	Ε, V	Name /elch Minnesota	55089		461928-06	s, EC-20212				
2	Mark Do	rformed by Owner	F	Address				Repair Organiza		o., Job No., etc		
Э.	Work Performed by Owner Name						Type Code Symbol Stamp N/A					
	Same						Authoriza	tion	N/A	N/A		
			-	Address		•	Expiration	n Date	N/A			
4.	Identific	ation of System	RC			•	Code Clas	s 1				
5.	(a) Appl	icable Construction C	ode	de ASME III, Class 1		_,	1983			Edition/Adden	da	
		Adde	nda	n/a			Code Cas	es <u>n/a</u>	<u>.</u>			
	(b) Applicable Edition of Section XI Utilized for Repair/Replace					ement	Àctivity	1998E / 200	0 <b>A</b>			
	(c) Appli	icable Section XI Cod	e Ca	ases None								
6.	Identification of Components								_	- ···.	•.	
	Compo	nent Name		Manufacturer Name	Manufact Serial #	urer	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	RX Hea	d Vent Orifice Bypass		·Rockwell		-,		RC-8-33		Installed		
	RCGVS	Support-						1-RCGV-32		Installed		
7.	Descrip	otion of Work	Ins to 1	tall high point ve	nt to remove no w support.	on-con	idensable g	ases from the RO	CS. Increase	ed the line and va	live size	
8.	Tests c	onducted:	ted: Hydrostatic Pneumatic				ominal Ope	erating Pressure	Exem	pt 🔽		
			Otl	ner 🗌 💮 🖠	Pressure		p	si Test Temp	). 	• F		
0	ther: n/a	1 							·-·			

ITEM 1-27-026
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp
Certificate of Authorization Tyle a / A Expiration Date
Signed, ASME Program Engineer Date
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signature National Board, Province and Endorsements
Date

								ITEM 1-27-02	28		
l. Own	er NSPM d/b/a	Xcel Energy			Date 1/15	/2013					
2. Plant	t Prairie Islan	Name Prairie Island Nuclear Generating Plant				1	of	2			
	Name 1717 Wakonade Dr. E, Welch Minnesota 55089				431025-01						
		Repair Organization P.O. No., Job No., etc									
. Work	Work Performed by Owner Name Same					ymbol Stamp	N/A	N/A			
						Authorization		N/A			
			ddress		Expiration Date		N/A				
I. Iden	Identification of System RH					2					
5. (a) A	Applicable Consti	uction Code	B31.1	1967		Edition/Addenda					
	Addenda n/a  (b) Applicable Edition of Section XI Utilized for Repair/Replacement					n/a					
(b) A						1998E / 2000	0A				
(c) A	Applicable Sectio	n XI Code Ca	ases None			<del></del>		<del></del>			
• •	tification of Com						-				
Cor	mponent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp		
RH	piping support					1-RHRH-28		Corrected			
7. Des	scription of Work	ption of Work Remove and reweld support integral attachment.									
8. Tes	ets conducted:	Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑									
		Ott	ner 🔲 Pre	essure	psi	Test Temp.		•F			
Other:	n/a			·			<del></del>				

ITEM 1-27-028 9. Remarks VT-3 PSI exam recorded on Report 2012V139. PT PSI exam recorded on report 2012P015. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp **Expiration Date** Signed ASME Program Engineer Date Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected 16JAN B and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection. 12085 A.N.I MN 21924 Commissions Inspector's Signature National Board, Province and Endorsements Date

#### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-029 NSPM d/b/a Xcel Energy Date 12/17/2012 Owner Name Plant Prairie Island Nuclear Generating Plant Sheet Name 1717 Wakonade Dr. E, Welch Minnesota 55089 357044-01, 357044-09, EC-21085 Address Repair Organization P.O. No., Job No., etc 3. Work Performed by Owner Type Code Symbol Stamp N/A Name Authorization N/A Same **Expiration Date** N/A Address Identification of System Code Class 1967 AWS D1.6 / ASME B31.1 Edition/Addenda (a) Applicable Construction Code Addenda Code Cases n/a n/a ⋅ (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Component Name Manufacturer Manufacturer Nat'l Bd # Other ID Yr Built Corrected, ASME Removed, or Code Name Serial # Installed Stamp VC pipe support 1-RCVCH-Corrected 1296 2-VC-21B VC pipe segment Corrected **Description of Work** Restored base material eroded due to bent bar rubbing at support. Support modified to bring it into specified design. Nominal Operating Pressure 🔲 Exempt 🔊 Tests conducted: Hydrostatic [ Pneumatic | Other 🗀 ۰F Pressure Test Temp.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in, x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

Other: n/a

### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

1151/1-12-029
0 T
9. Remarks PIS VT-3 exam recorded on report # 2012V146
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
///
Type Code Symbol Stamp
Certificate of Authorization No. A Expiration Date
2/10
Signed, ASME Program Engineer Date,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
byHSB Insp. and Ins. Co. of Connecticut of Hartford Conn have inspected
the components described in this Owner's Report during the period 260cr12 to 11MAR 13
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 12085 A.N.I MN 21924
Commissions 1205 7771 1770 2774
Inspector's Signature National Board, Province and Endorsements
Date 7 Jach 11, 2013
Date

5. (a) Applicable Construction Code B31.1 , 1967 Edition/Addenda  Addenda n/a Code Cases n/a  (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A  (c) Applicable Section XI Code Cases None  6. Identification of Components  Component Name Manufacturer Manufacturer Nat'l Bd # Other ID Yr Built Corrected, Removed, or Code										TEM 1-27-03	5U ·		
2. Plant Prairie Island Nuclear Generating Plant Sheet 1 of 2  Name  1717 Wakonade Dr. E, Welch Minnesota 55089  Address Repair Organization P.O. No., Job No., etc  Type Code Symbol Stamp N/A  Name  Address Authorization N/A  NAME  Address Expiration Date N/A  Identification of System SN Code Class yes  5. (a) Applicable Construction Code B31.1 1967 Edition/Addenda  Addenda n/a Code Cases n/a  (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A  (c) Applicable Section XI Code Cases None  6. Identification of Components  Component Name Manufacturer Name Manufacturer Serial # Other ID Yr Built Corrected, Removed, or Installed Stan	1.	Owner	NSPM d/b/a X	(cel Energy	-		Date 12/4	1/2012					
Address Repair Organization P.O. No., Job No., etc    Address   Repair Organization P.O. No., Job No., etc	2.	Plant	•				Sheet	1	of	2			
3. Work Performed by Owner Type Code Symbol Stamp N/A  Name Same Authorization Address Address Address Addenda N/A  Addenda N/A  Addenda N/A  Addenda N/A  Addenda N/A  Code Class yes  5. (a) Applicable Construction Code Addenda N/A  Addenda N/A  Code Class yes  6. Identification of Section XI Utilized for Repair/Replacement Activity  Description Date N/A  N/A  N/A  N/A  Expiration Date N/A  Code Class yes  Code Class yes  Edition/Addenda  1998E / 2000A  (c) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A  (c) Applicable Section XI Code Cases None  6. Identification of Components  Component Name  Manufacturer Name Manufacturer Serial #  Nat'l Bd #  Other ID  Yr Built Corrected, Removed, or Installed Stan  Snubber  Basic Engineering  PI-498  Corrected			1717 Wakona		• • • • • • • • • • • • • • • • • • • •	89	434353-05						
Authorization M/A  Address Authorization Date Address Aldentification of System SN Code Class yes  5. (a) Applicable Construction Code B31.1 , 1967 Edition/Addenda  Addenda n/a Code Cases n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A  (c) Applicable Section XI Code Cases None  6. Identification of Components  Component Name Manufacturer Name Serial # Other ID Yr Built Corrected, Removed, or Installed Stan  Snubber Basic Engineering PI-498 Corrected					ddress	<del></del>	Re	pair Organizati	on P.O. N	o., Job No., etc	_		
Address 4. Identification of System SN Code Class yes 5. (a) Applicable Construction Code B31.1 , 1967 Edition/Addenda  Addenda n/a Code Cases n/a  (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A  (c) Applicable Section XI Code Cases None  6. Identification of Components  Component Name Manufacturer Name Manufacturer Serial # Other ID Yr Built Corrected, Removed, or Installed Stan	3.	Work Pe	rformed by (	Owner			Type Code S	Symbol Stamp	N/A				
4. Identification of System SN Code Class yes  5. (a) Applicable Construction Code B31.1 , 1967 Edition/Addenda  Addenda n/a Code Cases n/a  (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A  (c) Applicable Section XI Code Cases None  6. Identification of Components  Component Name Manufacturer Name Manufacturer Serial # Other ID Yr Built Corrected, Removed, or Installed Stam  Snubber Basic Engineering PI-498 Corrected			-		Name		Authorizatio	n	N/A	N/A			
5. (a) Applicable Construction Code B31.1 , 1967 Edition/Addenda  Addenda n/a Code Cases n/a  (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A  (c) Applicable Section XI Code Cases None  6. Identification of Components  Component Name Manufacturer Name Serial # Other ID Yr Built Corrected, Removed, or Installed Stam  Snubber Basic Engineering PI-498 Corrected			-		ddress		Expiration D	ate	N/A				
Addenda n/a Code Cases n/a  (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A  (c) Applicable Section XI Code Cases None  6. Identification of Components  Component Name Manufacturer Name Name Serial # Other ID Yr Built Corrected, Removed, or Installed Stan Stan Snubber Pi-498 Corrected	4.	Identific	ation of Syster	n SN			Code Class	yes	•				
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity  (c) Applicable Section XI Code Cases None  6. Identification of Components  Component Name Manufacturer Name Manufacturer Serial # Other ID Yr Built Corrected, Removed, or Installed Stan  Snubber Basic Engineering PI-498 Corrected	5.	(a) Appli	icable Constru	ction Code	B31.1		1967		Edition/Addenda				
(c) Applicable Section XI Code Cases None  6. Identification of Components  Component Name Manufacturer Name Manufacturer Serial # Other ID Yr Built Corrected, Removed, or Installed Stan				Addenda	n/a	-	Code Cases	n/a					
6. Identification of Components  Component Name  Manufacturer Name  Manufacturer Serial #  Other ID  Yr Built Corrected, Removed, or Installed  Stan  Snubber  PI-498  Corrected		(b) Appl	icable Edition	of Section	XI Utilized for Repa	air/Replacement	t Activity	1998E / 2000	A				
Component Name  Manufacturer Name  Manufacturer Serial #  Nat'l Bd #  Other ID  Yr Built  Corrected, Removed, or Installed  Stan  Snubber  Pi-498  Corrected  Corrected  Code  Stan		(c) Appli	icable Section	XI Code Ca	ises None								
Name Serial # Removed, or Installed Stan Snubber Basic Engineering PI-498 Corrected	6.	Identific	ation of Comp	onents				<del></del> -	•				
							Nat'l Bd #	Other (D	Yr Built	Removed, or	ASME Code Stamp		
7. Description of Work Replaced piston.					Basic Engineering			PI-498		Corrected			
	7.	. Description of Work Replaced piston.											
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt	8.	Tests c	onducted:	Нус	drostatic [∷]; Pne	umatic N	ominal Opera	ting Pressure	Exem	pt 🗸			
Other Pressure psi Test Temp. ° F				Oth	ner 🔲 Pre	ssure	psi	Test Temp.		۰F			
Other: Snubber will be functionally tested after reassembly. Test results will be attached to the work order.	0	ther: Sn	ubber will be fu	nctionally te	sted after reassemb	ly. Test results	will be attached	to the work ord	er.	<del></del> _			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

1. Who was a second

1-21-030
9. Remarks
v. romans
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No.
Signed , ASME Program Engineer Date 12/4//2
Owner or Owner's Designee . Title
OFFICIATE OF INDEPUTATION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 39cc112 to 11 DEC 12
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Mass Aut. 1 January
Inspector's Signature Commissions (Coss A·N·) my 31924  National Board, Province and Endorsements
Date Necessary 11 , 2012

#### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-031

NSPM d/b/a Xcel Energy 2/21/2013 Owner Date 2 Plant Prairie Island Nuclear Generating Plant Sheet of 436913-01, EC-13768 1717 Wakonade Dr. E, Welch Minnesota 55089 Address Repair Organization P.O. No., Job No., etc 3. Work Performed by Owner Type Code Symbol Stamp N/A Name Authorization N/A Same **Expiration Date** N/A Address **Code Class** Identification of System 1968 (a) Applicable Construction Code ASME III Edition/Addenda Addenda n/a Code Cases n/a · (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components **Component Name** Manufacturer Manufacturer Nat'l Bd # Other ID Yr Built Corrected, ASME Serial # Removed, or Code Name Installed Stamp V 11 TD AFW PMP MS SPLY Copes Vulcan CV-31998 Corrected control valve Description of Work Replaced Internal trim including the plug. Hydrostatic | Nominal Operating Pressure | Exempt | Pneumatic [7] Tests conducted: Other 🗀 Pressure psi Test Temp. ۰F Other: n/a

by	TIEM 1-27-031
CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization No  ASME Program Engineer  Owner or Owner's Designee , Title  CERTIFICATE OF INSERVICE INSPECTION  1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn.  HSB Insp. and Ins. Co. of Connecticut of Hartford Conn.  and employed have inspected the components described in this Owner's Report during the period 31cCr12 to 28Fe813 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions 12crs Aris	9. Remarks
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization No  Signed  ASME Program Engineer  Owner or Owner's Designee , Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed have inspected the components described in this Owner's Report during the period 31CCr12 to 22Pre613, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions  ADGIS AND MAD ASME Code, Section XI.  National Board, Province and Endorsements	o, Norman 6
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization No  Signed  ASME Program Engineer  Owner or Owner's Designee , Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed have inspected the components described in this Owner's Report during the period 31CCr12 to 22PE613, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions  National Board, Province and Endorsements	
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization No  Signed  ASME Program Engineer  Owner or Owner's Designee , Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed have inspected the components described in this Owner's Report during the period 31CCr12 to 22PE613, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions  National Board, Province and Endorsements	
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We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization No  Signed  ASME Program Engineer  Owner or Owner's Designee , Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed have inspected the components described in this Owner's Report during the period 31CCr12 to 22PE613, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions  National Board, Province and Endorsements	
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization No  Signed  ASME Program Engineer  Owner or Owner's Designee , Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed have inspected the components described in this Owner's Report during the period 31CCr12 to 22Pre613, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions  ADGIS AND MAD ASME Code, Section XI.  National Board, Province and Endorsements	
Certificate of Authorization No.    Signed	CERTIFICATE OF COMPLIANCE
Certificate of Authorization No.    ASME Program Engineer   Date   2/22//3     Owner or Owner's Designee   Title	We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Certificate of Authorization No	Type Code Symbol Stamp
Owner or Owner's Designee , Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 31cCr12 to 28fe613, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions 10st Annual Board, Province and Endorsements	//.
CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 31ccr12 to 28F6813, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions 10015 AND MAIONA Province and Endorsements	Certificate of Authorization No
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 31CC12 to 28F613, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions 10cs 1 m. 31924  National Board, Province and Endorsements	Signed, ASME Program Engineer Date
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 31cCr12 to 28Fe613, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions 1015 A.N.1 . MJ 91924  Inspector's Signature Commissions National Board, Province and Endorsements	Owner or Owner's Designee , Title
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 31cCr12 to 28Fe613, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions 1015 A.N.1 . MJ 91924  Inspector's Signature Commissions National Board, Province and Endorsements	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 31cCr12 to 28Fe613, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions 1015 A.N.1 . MJ 91924  Inspector's Signature Commissions National Board, Province and Endorsements	
Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 310012 to 28F6813, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions 10015 A-N-1 . MJ 31924  Inspector's Signature National Board, Province and Endorsements	CERTIFICATE OF INSERVICE INSPECTION
Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 310012 to 28F6813, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions 10015 A-N-1 . MJ 31924  Inspector's Signature National Board, Province and Endorsements	
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By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions 1005 A.N.1	measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions  National Board, Province and Endorsements	
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.  Commissions  National Board, Province and Endorsements	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
any kind arising from or connected with this inspection.  Commissions 10035 A·N·1 . m.l. 21924  Inspector's Signature National Board, Province and Endorsements	the Inspector por his employer shall be liable in any mapper for any personal injury of property damage or a loss of
Inspector's Signature Commissions 123 National Board, Province and Endorsements	any kind arising from or connected with this inspection.
Inspector's Signature Commissions 123 National Board, Province and Endorsements	
	Commissions 12013 ANT . MA STEE
Data / Schauger 29 Janes	
$\frac{1}{2}$	Date

									HEM 1-27-03	33		
1.	Owner	NSPM d/b/a	Xcel Energy	•		Date 2/26	/2013					
2.	Plant	Prairie Island	d Nuclear Ge	Name enerating Plant		Sheet	1	of	2			
		1717 Wakor	ade Dr. E, V	Name Velch Minnesota 55	089	434079-07, E	EC-1096					
3.	Work Per	rformed by	Owner	Address		'		ion P.O. No	on P.O. No., Job No., etc			
		·	Same	Name		Authorization	ode Symbol Stamp		N/A			
				Address		Expiration D	ate	N/A				
4.	ldentific	ation of Syst	•			Code Class	2					
5.	(a) Appli	cable Constr	uction Code	B16.34	,	N/A		Edition/Addenda		la		
			Addenda	N/A		Code Cases	N/A	· · · · · · · · · · · · · · · · · · ·				
	(b) Appl	icable Editio	n of Section	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000	A				
	(c) Appli	cable Section	n XI Code C	ases None					<del></del>			
6.	Identific	ation of Com	ponents			· ·		•				
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp		
	RS-21-4	1		Dresser	BM9535	N/A	Model 3787	1967	corrected			
7.	7. Description of Work Replaced existing Superbolt nut like-for-like due to damage during removal.											
8.	Tests c	onducted:	Ну	drostatic  Pn	eumatic 🔲 N	ominal Operat	ting Pressure	Exem	pt <b>⊘</b>			
			Ot	her 🔲 Pro	essure	psi	Test Temp.		۰F			
C	ther: N/	4		_								

11EW 1-27-033
O Company
9. Remarks
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
1/10
Certificate of Authorization Na. A Expiration Date
Signed (\$\frac{1}{26}\frac{13}{3}.
Owner or Owner's Designee , Title
omici di offici di bedigneti i rico
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
Inspectors and the State or Province of <u>Minnesota</u> and employed by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected
the components described in this Owner's Report during the periodtoto
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Juddy 2 hal 2000 and 21924
Inspector's Signature Commissions 12085 A·N·1 mN 21924  National Board, Province and Endorsements
Inspector's Signature Inational Board, Province and Endorsements
Date

ITEM 1-27-034 1/8/2013 Owner NSPM d/b/a Xcel Energy Date Name 2. Plant Prairie Island Nuclear Generating Plant Sheet 2 Name 1717 Wakonade Dr. E, Welch Minnesota 55089 359738-01 Address Repair Organization P.O. No., Job No., etc Work Performed by Owner Type Code Symbol Stamp N/A Name Authorization N/A Same N/A **Expiration Date** Address Identification of System **Code Class** (a) Applicable Construction Code B16.34 n/a Edition/Addenda Addenda n/a Code Cases n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None **Identification of Components Component Name** Manufacturer Manufacturer Nat'l Bd# Other ID Yr Built Corrected, ASME Name Serial # Removed, or Code Installed Stamp 12 SG PORV 701-95074-1-2 CV-31089 Copes Vulcan 1969 corrected **Description of Work** Replaced valve internals. Hydrostatic Pneumatic Nominal Operating Pressure [ ] Exempt [ Tests conducted: ۰F Other [7] Pressure Test Temp.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 ln., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

Other: n/a

ITEM 1-27-034
9. Remarks
V. Nemarko
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No N/4 Expiration Date
Signed ASME Program Engineer Date 1/8/13
Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel  Inspectors and the State or Province ofMinnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period <u>\$90012</u> to <u>\$681.4413</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
Du signing this cortificate neither the Inspector per his ampleyer makes any warranty, everyseed or implied
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 12085 A.N.1 MN 21924
Inspector's Signature National Board, Province and Endorsements
Date

									ITEM 1-27-03	35	
1.	Owner	NSPM d/b/a Xce	I Energy			Date 1/30	/2013				
2.	Plant	Prairie Island Nu	clear Ge	Name nerating Plant		Sheet	1	of	2	<del></del> -	
		1717 Wakonade	Dr. E, W	Name /elch Minnesota 550	089	395735-04					
3.	Work Per	rformed by Ow	ner	Address	<del></del>		pair Organizat ymbol Stamp	ion P.O. No N/A	No., Job No., etc		
	-	Sai	ne	Name	_	Authorization	•	N/A			
4.	Identific	 ation of System	SG	Address	······································	Expiration D Code Class	ate 2	N/A			
5.		cable Constructi	on Code	ASME III	·····•	1995	<del></del>		Edition/Addenda		
		A	ddenda	1996		Code Cases	n/a		<del></del>		
	(b) Appl	icable Edition of	Section	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000	)A			
6.	.,	icable Section XI ation of Compon		ases None			<del></del>	-			
Component Name  12 Steam Generator		nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
			Framatome ANP	GV/PI292 .	162	134-012	2003	Corrected	V		
7.	Descrip	tion of Work	Re	placed secondary m	nanway cover fast	ener set at hole	#10.				
8.	Tests c	onducted:	Hy	drostatic 🔃 Pne	eumatic 🔲 N	ominal Operat	ting Pressure	Exem	pt 🔽		
			Otl	ner Pre	ssure	psi	Test Temp.		۰F		
C	ther: n/a	ı									

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

ITEM 1-27-035
9. Remarks
V. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. / A Expiration Date
Signed ASME Program Engineer Date 1/80/13
Owner or Owner's Designee , Title
5 miles 3. 5 miles 2 2 2 2 3 miles 4 miles
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 14Nov12 to 04 FEB13 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
(12085 A.N.1 MN 21924
Inspector's Signature National Board, Province and Endorsements
$\mathcal{L}^{\prime}$
Date

ITEM 1-27-037

	Owner	NSPM d/b/a Xcel Er	nergy			Date 1/1	4/2013			
	Plant	Prairie Island Nucle	Nam ar Generati	-		Sheet	1	of	2	
		1717 Wakonade Dr.	Nam E, Welch	_	089	416694-01				
,	Work Pei	rformed by Owner	Addre	ess			epair Organiza Symbol Stamp		o., Job No., etc	
		Same	Nam	е	<del></del>	Authorizati	•	N/A		
	1.1		Addre	ess		Expiration Code Class		N/A		
		ation of System	SI Code B	 316.34		n/a	1	-	Edition/Addend	la
			<del>-</del>			Code Case	s n/a		-	
		Add	enda n	/a		Coug Case	) II/A			
-	(b) Appli	Add Icable Edition of Sec			air/Replacement	•	1998E / 200	00A	<del>_</del> 	
•	(c) Appli		ction XI Ut de Cases		air/Replacement	•		00A	_	
•	(c) Appli	icable Edition of Sec cable Section XI Co	ction XI Uti de Cases s	None None	air/Replacement  Manufacturer Serial #	•		Yr Built	Corrected, Removed, or Installed	Code
•	(c) Appli Identifica Compo	icable Edition of Sec cable Section XI Co ation of Component	ction XI Ut de Cases s Man Nam	None  None  ufacturer	Manufacturer	Activity	1998E / 200	-	Removed, or	ASME Code Stamp
•	(c) Appli Identifica Compo	icable Edition of Sec icable Section XI Co ation of Component nent Name	ction XI Uti de Cases s Man Nam	None  None  ufacturer ne	Manufacturer	Activity  Nat'l Bd #	1998E / 200	-	Removed, or Installed	Code Stam
•	(c) Appli Identifica Composition	Icable Edition of Sec Icable Section XI Co ation of Component nent Name	ction XI Uti de Cases s Man Nam	None  None  ufacturer ne hor Darling d the valve disc	Manufacturer Serial # c and body to cov	Nat'l Bd #	1998E / 200	Yr Built	Removed, or Installed Corrected	Code Stam

The following the second of the

	ITEM 1-27-037
Remarks VT-1 of the fasteners recorded on PSI report 2012V128.	
9. Remarks V1-1 or the tasteners recorded on PSI report 2012V120.	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this conforms to the requirements of the ASM	E Code, Section XI.
Type Code Symbol Stamp	
Certificate of Authorization No. 1/4 Expiration Date	
Signed, ASME Program Engineer Date////3	,
Owner or Owner's Designee , Title	
•	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pre	
Inspectors and the State or Province of Minnesota by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn.	and employed have inspected
the components described in this Owner's Report during the period 16Nov12 to	
and state that to the best of my knowledge and belief, the Owner has performed examinations	s and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME	Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty,	expressed or implied
concerning the examinations and corrective measure described in the Owner's Report.	Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property	damage or a loss of
any kind arising from or connected with this inspection.	
Commissions 12085 A.N.1 ma	21924
Inspector's Signature National Board, Province and	Endorsements
Date <u>fabruary of</u> , <u>0013</u>	
)	

												11EM 1-27-0	38		
1.	Owner	ergy				Date	1/3/2	2013							
2.	Plant	Name Prairie Island Nuclear Generating Plant						Sheet		1	of	2			
		1717 Wakor	nade Dr.		lame elch Minnes	ota 550	089	387807-	-01						
		<del></del>		Ac	dress				Rep	pair Organizati	on P.O. N	o., Job No., etc			
3.	Work Pe	rformed by	Owner					Туре Со	de S	ymbol Stamp	N/A				
			Same	N	lame			Authori	zatior	1	N/A	N/A			
	- Jane				Address				on Da	ate	N/A	N/A			
4.	Identific	ation of Syst	em	RH	101033			Code C	lass	2					
5.	(a) Applicable Construction Code n/a							n/a Edition/Addend				ia			
		Adde	nda	n/a			Code Cases n/a								
	(b) Appl	icable Editio	n of Sec	tion X	Utilized fo	or Rep	air/Replacement	Activity		1998E / 2000	A				
	(c) Appl	icable Sectio	n XI Cod	le Cas	ses None	•					- <del></del>				
6.	Identific	ation of Com	ponents	•							•				
	Compo	nen <b>t N</b> ame	-		Vanufactur Vame	er	Manufacturer Serial #	Nat'i Bo	i#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	_	
	12 RHR Pump			I	Byron Jackson					145-112		Corrected			
7.	Descri	tion of Work Replaced mechanical seal.					seal.						·		
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pre								ing Pressure	Exem	pt 🔽					
				Othe	er 🦳 .	Pre	essure		psi	Test Temp.		۰F			
0	ther: n/a	<b>a</b>			_		<del></del>		-						

ITEM 1-27-038
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp V/4
Certificate of Authorization No. W.A. Expiration Date
Signed, ASME Program Engineer Date
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
CERTICIONTE OF INCLINATE ENTON
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the periodto
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 12085 A-N-1 m/ 31924 Inspector's Signature National Board, Province and Endorsements
Inspector's Signature National Board, Province and Endorsements
Date

									HEM 1-27-03	39
1.	Owner	NSPM d/b/a >	(cel Energy			Date 1/14	1/2013			
2.	Plant	Prairie Island		Name nerating Plant		Sheet	1	of	2	
		1717 Wakona		Name /elch Minnesota 55	089	407259-16				<del>.</del>
			A	ddress		Re	pair Organizati	on P.O. No	o., Job No., etc	<del></del>
3.	Work Pe	rformed by	Owner			Type Code S	Symbol Stamp	N/A		
		<del>-</del>	Same	Name		Authorizatio	n	N/A		
		-	Δ	ddress	<del></del>	Expiration D	ate	N/A		
4.	Identific	ation of System	m RH			Code Class	2			
5.*	(a) Appl	icable Constru	ction Code	ASME III	,	1968 Edition/Ad				la
			Addenda	n/a		Code Cases	n/a		_	
	(b) Appl	licable Edition	of Section	XI Utilized for Rep	pair/Replacement	t Activity	1998E / 2000	A	<u> </u>	
	(c) Appl	Icable Section	XI Code Ca	ses None						
6.	Identific	ation of Comp	onents	<del></del>						
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	12 RHF	R Heat Exchang	er	Joseph Oats	1817-1B	341	135-052	1969	Corrected	V
7.	Descri	ption of Work	Plu	gged tubes in Hea	t Exchanger.					
8.	Tests o	onducted;	Нус	drostatic. Pr	ıeumatic	lominal Opera	ting Pressure	Exem	pt 🔽	
0	ther: n/a	## <u>\$</u>	Oth	ner 🔲 Pr	essure	psi	Test Temp.		°F	
Ū										

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

 $(x_{i,m}, y_{i+1}) = (x_{i,m}, y_{i+1}) = (x_{i,m}, y_{i+1}) = (x_{i,m}, y_{i+1})$ 

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ITEM 1-27-039
9. Remarks
•
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization New // Expiration Date
Signed ( ASME Program Engineer Date 1/14/18 , Owner or Owner's Designee , Title
owner of owner o besigned, the
CERTIFICATE OF INSERVICE INSPECTION
· ·
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 16Novi2 to 07FE613,
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 12085 A.N.1 md 21924
Inspector's Signature National Board, Province and Endorsements
Date 67 , 2013
Date

### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

								ITEM 1-27-04	10
	Owner	NSPM d/b/a Xcel Ener	gy		Date 2/25	/2013	-		
·.	Plant	Prairie Island Nuclear	Name Generating Plant	<del></del>	Sheet	1	of	2	
		1717 Wakonade Dr. E	Name , Welch Minnesota 55	089	416695-01		<del> </del>		
	Work Per	rformed by Owner	Address			_		o., Job No., etc	
		Same	Name		Authorizatio	symbol Stamı n	N/A N/A		
	identific	ation of System S	Address		Expiration D Code Class	ate 1	<u>N/A</u>		
(a) Applicable Construction Code B16.34			·	,	n/a	· ·	_	Edition/Addend	la
		Adden	da n/a		Code Cases	n/a		<del>-</del>	
	(b) Appli	icable Edition of Section	on XI Utilized for Rep	pair/Replacement	Activity	1998E / 200	00A ·		
	(c) Appli	cable Section XI Code	Cases None						
	Identifica	ation of Components					_		
	Compo	nent Name	Manufacturer Name	Manufacturer Serial #	Nat'i Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	11 ACC COLD L	UM TO RCS LOOP A EG	Anchor Darling			SI-6-3		Corrected	
	Descrip	otion of Work	Replaced the valve dis	sc.					
	Tests c	onducted:	Hydrostatic Pn	eumatic N	ominal Opera	ting Pressure	Exem	pt 🗸	
			Other ┌─ Pre	essure	psi	Test Temp	) <b>.</b>	۰F	
o	ther: n/a	1				•			

### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

TEM 1-27-040
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
( ) 4
Type Code Symbol Stamp // //
Certificate of Authorization No. 1 A Expiration Date
Signed, ASME Program Engineer Date
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut ofHartford Conn have inspected
the components described in this Owner's Report during the period 17 NOVI to DIMARIS
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
Commissions 12085 WI md 21924
(Inspector's Signature National Board, Province and Endorsements
Date

### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

									ITEM 1-27-04	11
1.	Owner	NSPM d/b/a Xcel En	ergy			Date 1/1	6/2013			
2.	Plant	Prairie Island Nuclea		Name nerating Plant		Sheet	1	of	2	
		1717 Wakonade Dr.		Name elch Minnesota 550	089	467445-01				
3.	3. Work Performed by Owner			ddress			epair Organizat Symbol Stamp		o., Job No., etc	
		Same		Name		Authorization		N/A		
			Α	ddress	<del></del>	Expiration I	Date	N/A		
4.	Identifica	ation of System	RH			Code Class	1			
5.	(a) Appli	cable Construction C	Code	B16.34	n/a			Edition/Addenda		
		Adde	nda	n/a		Code Cases	n/a		<del>,</del> 	
	(b) Appli	cable Edition of Sec	tion	KI Utilized for Rep	air/Replacement	Activity	1998E / 2000	)A	•	
	(c) Appli	cable Section XI Cod	le Ca	ses None			·			
6.	Identifica	ation of Components	3					<b>-</b>		
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	1 RCS L SPLY va	P B HOT LEG RHR alve		Velan			MV-32231		Corrected	
7.	Descrip	tion of Work	Rep	laced body to bonr	net fasteners.					
8.	Tests c	oriducted:	Нус	Irostatic 🗍 Pno	eumatic	ominal Opera	ating Pressure	Exem	pt 🗸	
			Oth	er 🗌 Pre	ssure	psi	Test Temp.		° F	
0	her: n/a			<del></del>						

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

11-11-11-11-11-11-11-11-11-11-11-11-11-
Dr. Service Dr. Service VII 4 even recorded on report 2012/11/22
9. Remarks Pre-Service VT-1 exam recorded on report 2012V132.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
11.
Type Code Symbol Stamp
Certificate of Authorization No 14 Expiration Date
Signed , ASME Program Engineer Date 1/16/13
Owner or Owner's Designee , Title
. Owner of Owner a Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the periodto
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Inspector's Signature Commissions National Board, Province and Endorsements
Inspector's Signature National Board, Province and Endorsements
Date

								ITEM 1-27-04	12
1.	Owner	NSPM d/b/a Xcel Energ	<b>З</b> У		Date 3/13	3/2013			•
2.	Piant	Prairie Island Nuclear 0	Name Senerating Plant		Sheet	1	of	2	
		1717 Wakonade Dr. E,	Name Welch Minnesota 55	6089	406143-01				
			Address		Re	pair Organizat	ion P.O. N	o., Job No., etc	
3.	Work Pe	rformed by Owner			Type Code S	Symbol Stamp	N/A		
		Same	Name		Authorization		N/A	<u>N/A</u>	
			Address		Expiration D	ate	N/A		
1.	Identific	ation of System R	Η		Code Class	2			
5.	(a) Applicable Construction Code B31.1			,	1967			Edition/Addend	la
		Addend	la n/a		Code Cases	n/a		<b>-</b> 	
	(b) Appl	icable Edition of Section	n XI Utilized for Re	pair/Replacement	Activity	1998E / 2000	)A		
_		icable Section XI Code	Cases None				_	<del></del> ,	
5.	Identific	ation of Components							
	Compo	nent Name	Manufacturer Name	Manufacturer Serial #	Nat'i Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	11/12 R valve, R	HR PMPS SUCT Relief RH-8-1	Crosby			RH-8-1		Corrected	
7.	Descrip	otion of Work <u>F</u>	Replaced inlet flange	fasteners.					
8.	Tests c	onducted:	lydrostatic Pr	neumatic  N	ominal Opera	ting Pressure	Exem	pt 🗸	
			Other 🗀 Pr	essure	psi	Test Temp.		۰F	
O	ther: n/a								

ITEM 1-27-042
9. Remarks
<u> </u>
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. 14 Expiration Date
Signed (XXX , ASME Program Engineer Date 3/13/13
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INCERTION ECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of <u>Minnesota</u> and employed by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 19Nov12. to
the components described in this Owner's Report during the periodtotototo and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
any kind arising from or connected with this inspection.
Commissions 12085 AWI MN 21924
Unspector's Signature / National Board, Province and Endorsements
$\sim 10^{-1}$ $\sim 10^{-1}$
Date

		•							ITEM 1-27-04	<b>13</b> .	
1.	Owner	NSPM d/b/a	Xcel Energ	y .		Date 1/2	4/2013				
		· ·	. * *	Name	<del></del>						
2.	Plant	Prairie Island	l Nuclear G	enerating Plant 🕌	• •	Sheet	1	of	· 2		
		1717 Wakon	ade Dr. E,	Name Welch Minnesota 55	089	467778-01,	EC-21095				
				Address		R	epair Organizat	ion P.O. N	o., Job No., etc		
3.	Work Per	rformed by	Owner			Type Code	Symbol Stamp	N/A			
		,	Same	Name		Authorization	on	N/A	N/A		
				Address		Expiration I	Date	N/A			
4.	Identific	ation of Syste				Code Class	3				
5.	(a) Appli	cable Constr	uction Cod	le B31.1		1989	<del></del>	Edition/Addenda			
			Addenda	a n/a		Code Cases	s <u>n/a</u>		<u>-</u>		
	(b) Appli	icable Edition	of Section	n XI Utilized for Rep	pair/Replacement	Activity	1998E / 2000	Α			
	(c) Appli	cable Section	XI Code C	Cases None		A					
6.	identific	ation of Com	onents	<del></del>				•			
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	CL Syys	tem piping se	gment				20-CL-7		Corrected		
7.	Descrip	tion of Work	R	eplaced piping segm	ent and associate	d flange faste	ners.				
8.	Tests c	onducted:	H	ydrostatic 🔃 🏸 Pn	eumatic N	ominal Opera	ating Pressure	<b>✓</b> Exem	pt 🗌		
			. 0	ther 🗌 Pro	essure N	IOP psi	Test Temp.		NOT °F		
C	ther: n/a	l 									

#### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-043 VT-2 leakage test recorded on report BOP-VT-12-140 9. Remarks CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization No. **Expiration Date** ASME Program Engineer Date Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 10 Nov 12 to 24 Jan 13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection. National Board, Province and Endorsements __ Commissions __ Inspector's Signature In. 24, 2013 Date

								112181 7-27-04	-4
1. (	Owner	NSPM d/b/a Xcel Ene	rgy		Date 2/26	/2013			
2. f	Plant	Prairie Island Nuclear	Name Generating Plant	<del></del>	Sheet	1	of	2	
		1717 Wakonade Dr. E	Name , Welch Minnesota 55	089	372187-05		<del></del>		
			Address		Re	pair Organizat	ion P.O. No	o., Job No., etc	
3. \	Nork Pe	formed by Owner			Type Code S	ymbol Stamp	N/A		
		Same	Name	<del></del> -	Authorization N/A				
		<del></del>	Address	<del></del>	Expiration D	ate	N/A	<u> </u>	
4.	Identific	ation of System C	c		Code Class	3			
5.	(a) Appli	- cable Construction Co	ode ASME IIIC	,	1968		·	Edition/Addenc	la
7		Adden	da n/a		Code Cases	n/a			
- /	(b) Appli	cable Edition of Secti	on XI Utilized for Rec	pair/Replacement	Activity	1998E / 2000			
			•	•	•			<del></del>	
	. ,	cable Section XI Code	Cases None				-		
6.	Identific	ation of Components							
	Compo	nent Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	11 CC S	Surge Tank	Buffalo Tank	X8590NC		153-071	1969	Corrected	V
7.	Descrip	tion of Work	Replaced 2 manway f	astener sets.					
8.	Tests c	onducted:	Hydrostatic Pri	eumatic 🔲 N	ominal Opera	ting Pressure	Exem	pt 🗸	•
			Other 🗀 Pro	essure	psi	Test Temp.		۰F	
Oth	ner: n/a								

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

ITEM 1-27-044
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp
Certificate of Authorization Nation Date
Signed ASME Program Engineer Date 2/26/13
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of <u>Minnesota</u> and employed by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected
the components described in this Owner's Report during the period - Janary to 13 MAR13
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
Commissions   12085 A-N-1   MA 21924   Inspector's Signature   National Board, Province and Endorsements
National Board, Province and Endorsements
Date

								ITEM 1-27-04	<b>45</b>		
1.	Owner	NSPM d/b/a Xcel Ener	gy		Date 2/27	/2013					
2.	Plant	Name Prairie Island Nuclear Generating Plant			Sheet	1	of	2			
		1717 Wakonade Dr. E	Name Welch Minnesota 55	089	434080-01						
3.	Work Performed by Owner  Name Same				Repair Organization Type Code Symbol Stamp			on P.O. No., Job No., etc N/A			
					Authorization		N/A				
4.	ldentific	ation of System M	Address S		Expiration D	ate 2	<u>N/A</u>		_		
5.	(a) Applicable Construction Code B31.1				1967	<u>-</u>		Edition/Addend	da		
	Addenda N/A				Code Cases	N/A		<del>-</del>			
	(b) Appl	licable Edition of Section	ction XI Utilized for Repair/Replacen		ent Activity 1998E / 2000		)A				
6.		icable Section XI Code ation of Components	Cases None		·-····································		_				
	Compo	nent Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp		
	11 SG I	MS HDR Relief valve to	Consolodated			RS-21-5		Corrected	V		
7.	Descrip	otion of Work	Replaced existing Sur	erbolt nuts like-for	r-like due to da	mage during re	moval.				
8.	Tests o	conducted:	Hydrostatic	eumatic N	ominal Opera	ting Pressure	☐ Exem	pt 🔽			
		•	Other 🗀 Pr	essure	psi	Test Temp.		۰F			
O	ther: N/	Α	<del></del>	·							

TIEM 1-27-045
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No.   A   Expiration Date
Signed, ASME Program Engineer Date
Owner or Owner's Designee , Title
·
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 38 Nov12 to 27 FE 013,
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 12085 A.N.I MN 21924
Inspector's Signature National Board, Province and Endorsements
Date
Date

								11EW 7-27-02	ło
1.	Owner	NSPM d/b/a Xcel Ene	rgy		Date 2/26	/2013			
2.	Plant	Prairie Island Nuclear	Name Generating Plant		Sheet	1	of	2	
		4747 Mekanada Da E	Name	000	434078-01				
		1717 Wakonade Dr. E	<u> </u>						
3.	Address Work Performed by Owner				•	pair Organizat symbol Stamp	ion P.O. N N/A	o., Job No., etc	
	Name Same				Authorization		N/A		
			Address		Expiration Da	ate	N/A		
4.	identific	ation of System	ns		Code Class	2			
5.	(a) Appli	- Icable Construction Co	ode B31.1	,	1967			Edition/Addend	ía .
		Adden	da N/A		Code Cases	<u>N/A</u> -		<del>-</del> 	•
	(b) Appi	icable Edition of Secti	on XI Utilized for Rep	pair/Replacement	Activity	1998E / 2000	Α	. –	
	(c) Appli	icable Section XI Code	Cases None						
6.	Identific	ation of Components			<del></del>		-		
	Compo	nent Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	11 SG I	MS HDR Relief valve to	Consolodated			RS-21-3		Corrected	V
7.	Descrip	otion of Work	Replaced existing Sur	erbolt nuts like-for	r-like due to dar	mage during re	mov <u>al</u> .		
8.	Tests c	onducted:	Hydrostatic Pn	neumatic	lominal Operat	ting Pressure	Exem	pt 🗸	
			Other 🗀 Pr	essure	psi	Test Temp.		۰F	
О	ther: N/			<del></del>	·	•			

				ITEM 1-27-046
), Remarks				
	•			
· · · · · · · · · · · · · · · · · · ·				
	<del></del>			
	CE	RTIFICATE OF C	OMPLIANCE -	, , , , , , , , , , , , , , , , , , ,
We certify that the statements ma	ade in the report a	are correct and this cor	forms to the requirements	s of the ASME Code. Section XI.
•	//4			
Type Code Symbol Stamp	N/H			
Certificate of Authorization No	VIA	Expiration	Date	
Signed		, ASME Program Eng	gineer Date 2/2	1/12
• ——	- Our ede Deeler		illeel Date 02/02	6/13 ,
Owner	or Owner's Design	iee , i itie		
•	CERTIF	ICATE OF INSER	VICE INSPECTION	
	•			·
		•		
I, the undersigned, holding a v	alid commissio	on issued by the N	ational Board of Boile	er and Pressure Vessel
Inspectors and the State or	Province of			
byHSB Insp. and ins. C	Co. of Connect	icut of H	artford Conn.	have inspected
the components described in t	nis Owner's R	eport during the pe	eriod 28Nov12	to11MAR13,
and state that to the best of my	/ knowledge a	nd belief, the Own	er has performed exa	aminations and taken corrective
measures described in this Ow	mers Report i	n accordance with	the requirements of	the ASME Code, Section Al.
By signing this certificate ne	ither the Insc	ector nor his em	plover makes any	warranty, expressed or implied
				s Report. Furthermore, neither
the Inspector nor his employer	shall be liable	in any manner for		of property damage or a loss of
any kind arising from or conne	cted with this i	nspection.		
		0	Moss A 41	ms 21921
Inspector's Signature		Commissions		vince and Endorsements
Maperiol & Signature	7	Λ	National Boald, FIO	vince and Endolsements
Date Ward	11	1 2013		
. —				
			•	

#### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-047

2/22/2013 Owner NSPM d/b/a Xcel Energy Date Name Plant Prairie Island Nuclear Generating Plant Sheet 2 of 399970-01, IEE 2011-099 1717 Wakonade Dr. E, Welch Minnesota 55089 Address Repair Organization P.O. No., Job No., etc Work Performed by Owner Type Code Symbol Stamp N/A Name Authorization N/A Same N/A **Expiration Date** Address **Code Class Identification of System** Edition/Addenda B16.34 n/a (a) Applicable Construction Code Addenda n/a Code Cases n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None **Identification of Components Component Name** Manufacturer Manufacturer Nat'l Bd # Other ID Yr Bullt Corrected, ASME Serial # Removed, or Code Name Installed Stamp 11 TD AFW PMP DISCH Check Powell AF-15-9 Corrected Valve Replaced disc with stronger material. Description of Work Nominal Operating Pressure | Exempt | Hydrostatic | Pneumatic 🖂 Tests conducted: Other 🗌 Pressure psi Test Temp. Other: n/a

ITEM 1-27-047
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp
Certificate of Authorization No / N/A Expiration Date
Signed A ASME Program Engineer Date 2/22/13
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions 12085 A·N·1 mN 21924  National Board, Province and Endorsements
Date

### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-048 12/12/2012 NSPM d/b/a Xcel Energy Date 1. Owner Name Prairie Island Nuclear Generating Plant Sheet 2 2. Plant of Name 414263-01, IEE-2012-123 1717 Wakonade Dr. E, Welch Minnesota 55089 Address Repair Organization P.O. No., Job No., etc 3. Work Performed by Owner Type Code Symbol Stamp N/A Name Authorization N/A Same **Expiration Date** N/A Address Code Class Identification of System VC (a) Applicable Construction Code B16.34 n/a Edition/Addenda Addenda Code Cases n/a n/a (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None **Identification of Components** Nat'l Bd # Other ID Yr Bullt Corrected, ASME **Component Name** Manufacturer Manufacturer Name Serial # Removed, or Code Installed Stamp CHG LN TO 11 REGEN HX CV CV-31198 Corrected Masonelian **Description of Work** Replace the valve plug. Hydrostatic Pneumatic Nominal Operating Pressure | Exempt | Tests conducted: Other | Pressure Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

A Comment of the same of

### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

TIEM 1-27-048
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. 1/1/1/1/1/2019 Expiration Date
Signed ASME Program Engineer Date 12/12/12
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province ofMinnesota and employed
by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected the components described in this Owner's Report during the period <u> </u>
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 12085 A.N. 1 md 21924
Inspector's Signatuke National Board, Province and Endorsements
Date
<del></del>

### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

					11EW 1-27-04	10		
Owner NSPM d/b/a Xcel Energy		Date 2/1/2	2013					
Name  2. Plant Prairie Island Nuclear Generating Plant		Sheet	1	of	2			
Name 1717 Wakonade Dr. E, Welch Minnesota 55	5089	468512-01, E	C-21134					
Address		Repair Organization P.O. No., Job No., etc						
3. Work Performed by Owner		Type Code Symbol Stamp N/A						
Name Same		Authorization  Expiration Date		<u>N/A</u>	<u>N/A</u>			
Address				N/A				
4. Identification of System CL		Code Class	3					
5. (a) Applicable Construction Code B31.1	,	1989			Edition/Addenda			
Addenda n/a		Code Cases	n/a					
(b) Applicable Edition of Section XI Utilized for Rep	pair/Replacement	Activity	1998E / 200	0A	 !			
(c) Applicable Section XI Code Cases None								
6. Identification of Components				<b></b> .				
Component Name Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp		
CL Syystem piping segment			24-CL-13		Corrected			
7. Description of Work Installed flush patch to	Installed flush patch to restore pipe corroded due to MIC.							
8. Tests conducted: Hydrostatic Pn	neumatic N	ominal Operat	ing Pressure	Exem	pt 🗍			
Other Pro	essure N	OP psi	Test Temp.		NOT °F			
Other: n/a								

									ITEM 1-27-0	51	
1.	Owner	NSPM d/b/a	Xcel Energy			Date 1/30	/2013				
2.	Plant	Prairie Island	l Nuclear Ge	Name nerating Plant		Sheet	1	of	2		
		1717 Wakon	ade Dr. E, V	Name Velch Minnesota 550	089	398397-01					
3.	Work Pe	rformed by	Owner	Address			_		o., Job No., etc		
٠.		, ioimou ay		Name		Type Code Symbol Stamp			N/A		
			Same	Hamo		Authorization		N/A			
				Address		Expiration D	ate	N/A			
4.	Identific	ation of Syste	em RH			Code Class	2				
5.	(a) Appli	cable Constr	uction Code	B16.34	,	, n/a			Edition/Addenda		
			Addenda	n/a		Code Cases	n/a		<b>-</b>		
	(d) Appl	icable Edition	of Section	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000	 DA			
		•		•	•	,			<del></del>		
c		cable Section		ases None	<del></del>			-			
6.	Identific	ation of Com	ponents								
i produ	1 -	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'i Bd#	Other ID	Yr Built	Corrected, Removed, or	ASME Code	
1777	1								Installed	Stamp	
	12 RHR	PMP SUCT L	ine valve	Crane			RH-1-1		Corrected		
7.	Descrip	tion of Work	Re	placed body to boni	net fastener set.						
8.	Tests c	onducted;	Ну	drostatic, Pn	eumatic N	ominal Operat	ting Pressure	Exem	pt 🔽		
			Ot	her ☐ Pre	ssure	psi	Test Temp.		۰۶		
O	ther: n/a	1		_					·		
					·						

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

James Land Brown St. March

11EM 1-27-051
D. Manuarka
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp //
Certificate of Authorization No. / A Expiration Date
Signed, ASME Program Engineer Date,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
t the undersigned, helding a valid commission issued by the National Deard of Bailey and Draggura Vagoal
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 63 DEC-12 to 30 JAN 13
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
(1) 12085 A.N.1 my 21924
Inspector's Signature Commissions National Board, Province and Endorsements
Mational Board, Province and Endorsements
Date

									ITEM 1-27-0	52		
1.	Owner	NSPM d/b/a	Xcel Energy			Date 2/2	0/2013					
2.	Plant	Name Prairie Island Nuclear Generating Plant				Sheet	1	of	2			
		1717 Wakor	nade Dr. E, W	Name /elch Minnesota 550	089	396243-03						
3.	Work Pe	rformed by	Owner	Address	<del></del>	Repair Organization Type Code Symbol Stamp			on P.O. No., Job No., etc			
	·			Name		. Authorization		N/A				
				Address	<u> </u>	Expiration i	Date	N/A				
4.	Identific	ation of Syst				Code Class	1					
5.	(a) Appli	icable Consti	ruction Code	B31.1	,	1967	Edition/Addend	ła				
			Addenda	n/a		Code Cases	s <u>n/a</u>					
	(b) Appl	icable Editio	n of Section	XI Utilized for Rep	air/Replacement	Activity	1998E / 2000	)A				
	(c) Appli	icable Sectio	n XI Code C	ases None	٠			<b>₩</b> ,***	<u> </u>			
6.	Identific	ation of Com	ponents					_				
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd#	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp		
	11 PRZ	R Relief		Crosby			RC-10-1		Corrected			
7.	Descrip	otion of Work	Re	placed inlet flange n	nut.	· <del> </del>				<del></del>		
8.	Tests c	onducted:	Ну	drostatic 📋 ՝ Pne	eumatic	ominal Opera	ating Pressure	☐ Exem	pt 🗸			
			Otl	her ☐ Pre	ssure	psi	Test Temp.		۰F			
0	ther: n/a	1					•					

ITEM 1-27-052
0. December 1977 A course of control of the DOI county to control (444)
9. Remarks VT-1 exam recorded on PSI report number 2012V144.
<u> </u>
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. Expiration Date
Signed XXX , ASME Program Engineer Date 2/20/13 ,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
·
·
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of and employed
by <u>HSB Insp. and Ins. Co. of Connecticut</u> of <u>Hartford Conn.</u> have inspected the components described in this Owner's Report during the period
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
( ) was ?. Q. Commissions 12085 A.N.1 m. 1924
Inspector's Signature National Board, Province and Endorsements
Date
· · · · · · · · · · · · · · · · · · ·

								ITEM 1-27-0	53	
1.	Owner	NSPM d/b/a Xcel Energy	<i>(</i>		Date 1/15	/2013				
2.	Plant	Prairie Island Nuclear G		Sheet	1	of	2			
		1717 Wakonade Dr. E, \	Name Welch Minnesota 55	089	422883-01				***	
2	Work Po	rformed by Owner			o., Job No., etc					
J.	WOIKE	Tiotilied by Owner	Name	<del></del>	Type Code Symbol Stamp			N/A		
		Same		Authorization			N/A			
		<del> </del>	Address		<b>Expiration Date</b>		N/A			
4.	Identific	ation of System CL			Code Class	3				
5.	(a) Appl	 icable Construction Cod	e B31.1	<b>,</b> .	1967		Edition/Addenda			
		Addenda		<u> </u>	Code Cases	n/a		-		
	(b) Appl	icable Edition of Section	XI Utilized for Rep	pair/Replacement	Activity	1998E / 2000	A	<del> </del>		
	(c) Appl	Icable Section XI Code C	ases None			·				
6.	identific	ation of Components					<u>-</u> ·			
	Compo	nent Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
		o Valve Flange Fasteners L piping	n/a			10-CL-49/CV- 39203		Corrected		
7.	Descrip	otion of Work Re	eplaced the flange fa	asteners due to co	rrosion.	*				
8.	Tests c	onducted: Hy	/drostatic	eumatic N	ominal Operat	ling Pressure	Exem	pt 📝		
		·	ther ☐ Pro	essure	psi	Test Temp.		۰F		
0	ther: n/a	•								

11-11-11-11-11-11-11-11-11-11-11-11-11-
9. Remarks
·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No W A . Expiration Date
Signed (XCZ , ASME Program Engineer Date ///5//3 ,
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
CENTIFICATE OF INSLITATION
·
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 🔑 🗠 🗠 to 🔑 🕍 👭
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
- '
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
any kind arising norm of connected with this mapection.
Commissions 1 Coss A.N. 1 MN 21924
Inspector's Signature National Board, Province and Endorsements
Mattorial Board, Frovince and Endorsements
Pote (a) Al Para
Date January At, 2013

									ITEM 1-27-0	54
1.	Owner	NSPM d/b/a	Xcel Energ	у		Date 3/1/2	2013			
2.	Plant	Prairie Island	Nuclear G	Name enerating Plant		Sheet	1	of	2	
		1717 Wakona	ade Dr. E,	Name Welch Minnesota 55	089	459748-01				
3.	Work Pe	rformed by	Owner	Address				on P.O. No., Job No., etc		
	Same			Name		Type Code Symbol Stamp Authorization		N/A		
4.	ldentific	ation of Syste	 m MS	Address	<del></del>	Expiration D	ate 2	<u>N/A</u>	<del>-</del>	
5.	•					n/a		Edition/Addenda		
			Addend	a <u>n/a</u>		Code Cases	n/a			
	(b) Appl	icable Edition	of Section	n XI Utilized for Re _l	pair/Replacement	t Activity	1998E / 2000	)A	· 	
	(c) Appli	icable Section	XI Code (	Cases None						
6.	Identific	ation of Comp	onents					-		
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	12 SG N	MS ISOL EQLZ	G MV	Powell			MV-32047		Corrected	
7.	Descrip	otion of Work	<u>T:</u>	ack welded plug to p	lug nut due to the	valve stem rep	lacement.		<del></del>	
8.	Tests c	onductèd:	н	ydrostatic 🔲 🖰 Pr	eumatic N	lominal Operal	ting Pressure	☐ Exem	pt 🗹	
			0	ther Pr	essure	psi	Test Temp.		۰F	
C	ther: n/a	ı				· · · · · · · · · · · · · · · · · · ·				

11EM 1-27-054
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/4
Certificate of Authorization No. 7/1 N/A Expiration Date
Signed (XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period <u>Charactal</u> to <u>Charactal</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 1 Des A.N.1 ml 21924
Inspector's Signature National Board, Province and Endorsements
Date (arch ab, 2013
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#### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

									ITEM 1-27-0	55	
1.	Owner	NSPM d/b/a	Xcel Energ	y		Date 3/4/2	2013				
2.	Plant	Name Prairie Island Nuclear Generating Plant				Sheet	1	of	2		
		1717 Wako	nade Dr. E, \	Name Welch Minnesota 55	089	467950-01					
3.	Work Pe	rformed by	Owner	Address			pair Organizat ymbol Stamp	nization P.O. No., Job No., etc			
	Name Same					Authorization			N/A		
4.	4. Identification of System			Address		Expiration D Code Class	ate 3	<u>N/A</u>	···		
<b>5</b> .		icable Const			,	1967	<del></del>	Edition/Addenda			
	Addenda <u>n/a</u>					Code Cases	n/a		<del>-</del>		
	(b) Appl	icable Editio	n of Sectior	n XI Utilized for Rep	oair/Replacement	t Activity	1998E / 2000	Α			
6.		icable Sectio ation of Com		Cases None	<del> </del>			_			
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp	
	CC pipi	ng support		Basic Enginners			1-CCH-72		Corrected		
7.	Descrip	otion of Worl	с <u>R</u>	eplaced CC piping s	upport eye rod to r	meet the design	ned configuration	n.			
8.	Tests c	onducted;	H	ydrostatic 🔲 🛮 Pn	eumatic	lominal Opera	ting Pressure	Exem	pt 🗹		
			O.	ther Pro	essure	psi	Test Temp.		۰F		
O	ther: n/a	3		- <del></del>							

11EW 7-27-055
9. Remarks Preservice VT-3 exam recorded on report 2012V153
5. Remarks Proservice V1-5 examineconded on report 2012V105
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. 11/1/A Expiration Date
21.12
, riemz i rogiam zingmeet
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
CENTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected
the components described in this Owner's Report during the period 13bear to 5mal 13
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
Theasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section At.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
± 500 00
Commissions 12085 A.N.I MN 21924
Inspector's Signature National Board, Province and Endorsements
Date Warch as , 2013.

#### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

				•					ITEM 1-27-05	56
1.	Owner	NSPM d/b/a	Xcel Energy			Date 2/2	22/2013			
2.	Name  Name Prairie Island Nuclear Generating					Sheet	1	of	2	
		1717 Wakor	nade Dr. E, W	Name /elch Minnesota 550	089	469996-01			•	
_	–		_	Address	<del></del>	R	epair Organizat	ion P.O. N	o., Job No., etc	
3.	Work Pe	rformed by	Owner			Type Code Symbol Stamp Authorization			<del></del>	
			Same	Name						
				Address		Expiration Date		N/A		
4.	ldentific	ation of Syst	=			Code Class	; 1			
5.	(a) Appli	icable Constr	uction Code	ion Code ASME III, Class 1			: :		Edition/Addenda	
			Addenda	n/a		Code Case	s <u>n/a ·                                    </u>			
	(b) Appl	icable Editio	n of Section	XI Utilized for Rep	air/Replacement	nt Activity 1998E / 2000A				
	(c) Appli	icable Section	n XI Code Ca	ases None					<del></del>	
6.	Identific	ation of Com	ponents		<del></del>			-		
	Compo	nent Name		Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
	Reactor	Vent Gas Pip	ping				1-RC-82		Corrected	
7.	Descrip	otion of Work	<u>Cu</u>	t out and rewelded p	olpe to fitting to at	tain proper fla	inge to flange all	gnment.		
8.	Tests c	onducted:	Ну	drostatic 🔲 🛮 Pne	eumatic N	ominal Oper	ating Pressure	Exem	pt 🗾	
			- Oti	her 🦳 Pre	ssure	ps	l Test Temp.		۰F	
O	ther: n/a	1								

11EM 1-27-056
9. Remarks
······································
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No 1/4 Expiration Date
Signed , ASME Program Engineer Date 2/22/13
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
the state of the s
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel  Inspectors and the State or Province of Minnesota and employed
by HSB Insp. and Ins. Co. of Connecticut of and connected have inspected
the components described in this Owner's Report during the period 14Dec.12 to 25Fe13
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
Commissions 12085 A·N·1 mn 21924
Inspector's Signature National Board, Province and Endorsements
Date February 25 2013

ITEM 1-27-057 1/18/2013 Owner NSPM d/b/a Xcel Energy Date Prairie Island Nuclear Generating Plant 2 Plant Sheet Name 468269-01 1717 Wakonade Dr. E, Welch Minnesota 55089 Address Repair Organization P.O. No., Job No., etc Work Performed by Owner Type Code Symbol Stamp N/A Name Authorization N/A Same **Expiration Date** N/A Address Identification of System RC **Code Class** Edition/Addenda (a) Applicable Construction Code ASME III, Class 1 1983 Addenda Code Cases (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A (c) Applicable Section XI Code Cases None Identification of Components Component Name Manufacturer Manufacturer Nat'l Bd # Other ID Yr Built Corrected, ASME Removed, or Code Name Serial # Installed Stamp Reactor Vent Gas Piping 1-RC-82 Corrected **Description of Work** Shortened pipe section to obtain the proper slope condition. Hydrostatic 🔄 Pneumatic 🖂 Nominal Operating Pressure [ Exempt Tests conducted: ۰F Other | Pressure Test Temp. Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

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11EW 7-27-057
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization Nys. NA Expiration Date
Signed, ASME Program Engineer Date
Owner or Owner's Designee , Title
CERTIFICATE OF INSERVICE INSPECTION
-
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of Hartford Conn have inspected
the components described in this Owner's Report during the period 440cc12 to 23Jan 13,
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signature  Commissions I Coss A.N. MA 21924  National Board, Province and Endorsements
Date 13 , 2013
Date

### FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

	11EW 1-27-058
1. Owner NSPM d/b/a Xcel Energy Date 2/22/2013	
Name  2. Plant Prairie Island Nuclear Generating Plant Sheet 1	of2
Name 1717 Wakonade Dr. E, Welch Minnesota 55089 470096-01, EEC-1554	
Address Repair Organization	n P.O. No., Job No., etc
3. Work Performed by Owner Type Code Symbol Stamp	N/A
Name Authorization	N/A
Address Expiration Date	N/A
4. Identification of System VC Code Class 2	
5. (a) Applicable Construction Code B16.34 , n/a	Edition/Addenda
Addenda n/a Code Cases n/a	
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A	ι
(c) Applicable Section XI Code Cases None	
6. Identification of Components	
Component Name  Manufacturer Manufacturer Nat'l Bd # Other ID Y	r Built Corrected, Removed, or Installed Stamp
11 Charging Pump Suction valve Grinnell VC-6-5	Corrected
7. Description of Work Replaced bonnet assembly.	
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure	Exempt 🕢
Other Pressure psi Test Temp.	<b>°</b> F
Other: n/a	

ITEM 1-27-058
9. Remarks
5. Remarks
<u> </u>
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization Na WA Expiration Date
Signed, ASME Program Engineer Date, Owner or Owner's Designee , Title
Caniol of Caniol of Dodigitos , Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and the State or Province of Minnesota and employed by HSB Insp. and Ins. Co. of Connecticut of have inspected
the components described in this Owner's Report during the period 175cm to 25cests,
and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of
any kind arising from or connected with this inspection.
1/25 4 all m. (01904
Commissions 1085 A.N.1 mN 21924  National Board, Province and Endorsements
Date